

## Rabbit APEH Polyclonal Antibody | anti-APEH antibody

APEH Polyclonal Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA281066</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

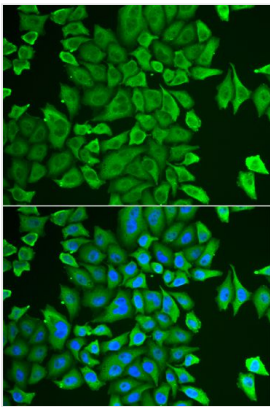
### PRODUCT SYNONYMS

APEH; Polyclonal Antibody; APEH Polyclonal Antibody; AARE; ACPH; APH; D3F15S2; D3S48E; DNF15S2; OPH; anti-APEH antibody

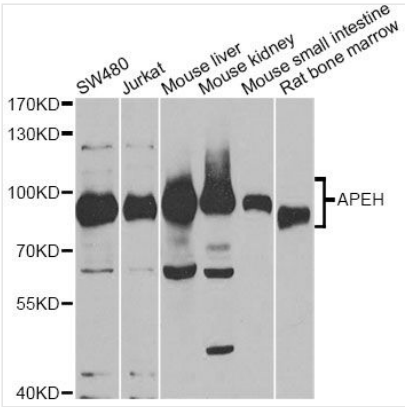
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                             |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                         |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                                |
| Purity/Purification                            | Affinity Purification                                                                                                                                                                                                                                                                              |
| Sequence                                       | MERQVLLSEP EEAAALYRGL SRQPALSAAC LGPEVTTQYG GQYRTVHTEW TQRDLERMEN IRFCRQYLVF<br>HDGDSVVFAG PAGNSVETRG ELLSRESPSG TMKAVLRKAG GTGPGEEKQF LEVWEKNRKL KSFNLSALEK<br>HGPVYEDDCF GCLSWSHSET HLLYVAEKKR PKAESFFQTK ALDVSASDDE IARLKKPDQA IKGDQFVFYE<br>DWGENMVS KS IPVLCVLDVE SGNISVLEGV PENVSPGQAF WAPGD |
| Sequence Length                                | 732                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-APEH antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                                                         |
| Immunogen                                      | Recombinant protein of human APEH                                                                                                                                                                                                                                                                  |
| Immunogen Species                              | Human                                                                                                                                                                                                                                                                                              |
| Storage Buffer                                 | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                  |
| Cellular Location                              | Cytoplasm                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                 |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence analysis of HeLa cells using APEH antibody. Blue: DAPI for nuclear staining.



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using APEH antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-APEH antibody | This gene encodes the enzyme acylpeptide hydrolase, which catalyzes the hydrolysis of the terminal acetylated amino acid preferentially from small acetylated peptides. The acetyl amino acid formed by this hydrolase is further processed to acetate and a free amino acid by an aminoacylase. This gene is located within the same region of chromosome 3 (3p21) as the aminoacylase gene, and deletions at this locus are also associated with a decrease in aminoacylase activity. The acylpeptide hydrolase is a homotetrameric protein of 300 kDa with each subunit consisting of 732 amino acid residues. It can play an important role in destroying oxidatively damaged proteins in living cells. Deletions of this gene locus are found in various types of carcinomas, including small cell lung carcinoma and renal cell carcinoma. |
| Product Categories/Family for anti-APEH antibody   | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 23510451                                       |
| NCBI GeneID                      | 327                                            |
| NCBI Accession #                 | NP_001631.3                                    |
| NCBI GenBank Nucleotide #        | NM_001640.3                                    |
| UniProt Accession #              | P13798; Q9BQ33; Q9P0Y2                         |
| Molecular Weight                 | Calculated: 81kDa<br>Observed: 80-108kDa       |
| NCBI Official Full Name          | acylamino-acid-releasing enzyme                |
| NCBI Official Synonym Full Names | acylaminoacyl-peptide hydrolase                |
| NCBI Official Symbol             | APEH                                           |
| NCBI Official Synonym Symbols    | APH; OPH; AARE; ACPH; D3S48E; D3F15S2; DNF15S2 |
| NCBI Protein Information         | acylamino-acid-releasing enzyme                |
| UniProt Protein Name             | Acylamino-acid-releasing enzyme                |
| UniProt Gene Name                | APEH                                           |
| UniProt Synonym Gene Names       | D3F15S2; D3S48E; DNF15S2; AARE; APH; OPH       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/apmh-antibody-immunofluorescence-western-blot-elisa/281066>