

## Rabbit KLF2 Polyclonal Antibody | anti-KLF2 antibody

KLF2 antibody - middle region

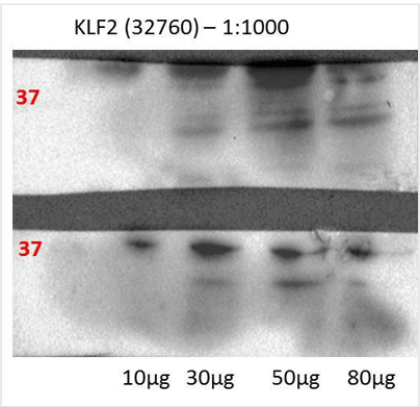
| CATALOG # | HOST   | REACTIVITY                                                        | APPLICATIONS                                                                           |
|-----------|--------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| AAA23416  | Rabbit | Human<br>Predicted: Guinea Pig, Human, Mouse, Pig, Rat, Zebrafish | Chromatin Immunoprecipitation, Immunoprecipitation, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

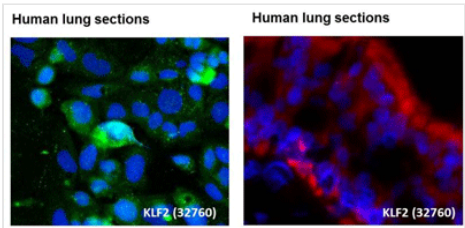
KLF2; Polyclonal Antibody; KLF2 antibody - middle region; anti-KLF2 antibody

### PRODUCT SPECIFICATIONS

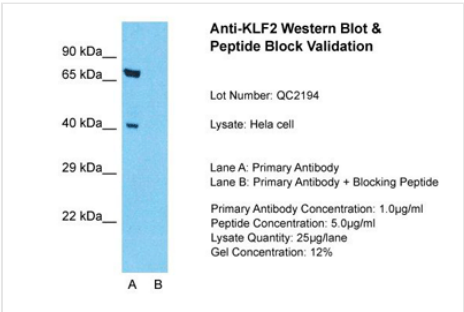
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human<br>Predicted: Guinea Pig, Human, Mouse, Pig, Rat, Zebrafish                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Concentration                                  | 0.5mg/mL (varies by lot)                                                                                                                              |
| Sequence                                       | Synthetic peptide with the following region: PP AFGLFDDAAA AAAALGLAPP AARGLLTPPA SPLELLEAKP KRGRRSWP                                                  |
| Sequence Length                                | 355                                                                                                                                                   |
| Applicable Applications for anti-KLF2 antibody | ChIP (Chromatin immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)                                                                   |
| Homology                                       | Guinea Pig: 93%; Human: 100%; Mouse: 93%; Pig: 100%; Rat: 93%; Zebrafish: 79%                                                                         |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human KLF2                                                                 |
| Protein Size                                   | 355 amino acids                                                                                                                                       |
| Protein Interactions                           | KAT2B; EP300; CREBBP; FBXW7; UBC; GSK3B; ELAVL1; SMURF1; WWP1; GATA5; GATA6; WEE1                                                                     |
| Additional Information                         | IHC Information: Brain, cerebellum<br>IHC Information: Colon, myenteric plexus<br>IHC Information: Lung                                               |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |



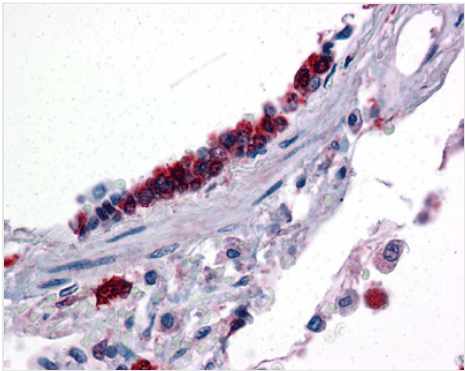
Application Data  
Human lung cell line



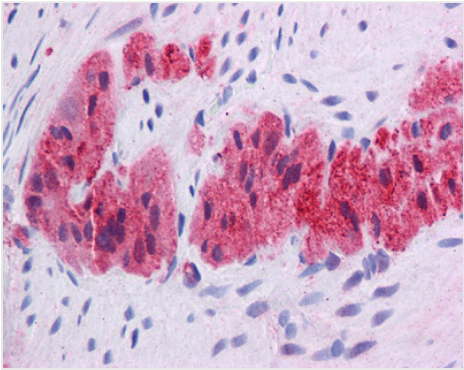
Application Data  
Human lung epithelial cell



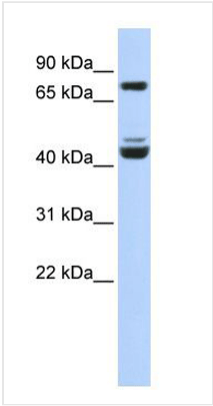
WB (Western Blot)  
Host: Rabbit  
Target Name: KLF2  
Sample Type: HeLa Whole cell  
Lane A: Primary Antibody  
Lane B: Primary Antibody + Blocking Peptide  
Primary Antibody Concentration: 1ug/ml  
Peptide Concentration: 5ug/ml  
Lysate Quantity: 25ug/lane  
Gel Concentration: 0.12%



IHC (Immunohistochemistry)  
Immunohistochemistry with Human lung.



IHC (Immunohistochemistry)  
Immunohistochemistry with Human Colon, myenteric plexus.



WB (Western Blot)  
WB Suggested Anti-KLF2 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:312500  
Positive Control: 721\_B cell lysate

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-KLF2 antibody | <p>This is a rabbit polyclonal antibody against KLF2. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: KLF2 belongs to the krueppel C2H2-type zinc-finger protein family. It contains 3 C2H2-type zinc fingers. KLF2 binds to the CACCC box in the beta-globin gene promoter and activates transcription.</p> |
| Product Categories/Family for anti-KLF2 antibody   | <p>Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Drugs and Drug Metabolism; Immunohistochemistry; Transcription Factors; Cell Morphogenesis</p>                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 7706469                |
| NCBI GeneID                      | 10365                  |
| NCBI Accession #                 | NP_057354              |
| NCBI GenBank Nucleotide #        | NM_016270              |
| UniProt Accession #              | Q9Y5W3                 |
| Molecular Weight                 | 37kDa                  |
| NCBI Official Full Name          | Krueppel-like factor 2 |
| NCBI Official Synonym Full Names | Kruppel like factor 2  |
| NCBI Official Symbol             | KLF2                   |
| NCBI Official Synonym Symbols    | LKLF                   |
| NCBI Protein Information         | Krueppel-like factor 2 |
| UniProt Protein Name             | Krueppel-like factor 2 |
| UniProt Gene Name                | KLF2                   |
| UniProt Synonym Gene Names       | LKLF                   |

**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/klf2-antibody-chromatin-immunoprecipitation-immunohistochemistry-western-blot-elisa/23416>