

## Rabbit anti-Human, Mouse EphA2 Polyclonal Antibody | anti-EPHA2 antibody

Rabbit anti-EphA2 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA211728 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

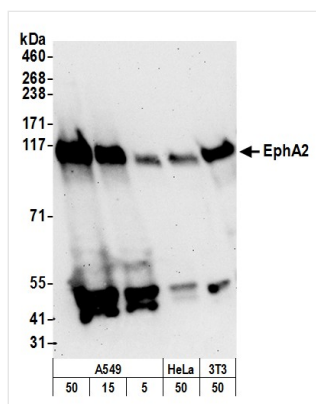
### PRODUCT SYNONYMS

EphA2; Polyclonal Antibody; Rabbit anti-EphA2 Antibody; Affinity Purified; CTPP1; tyrosine-protein kinase receptor ECK; soluble EPHA2 variant 1; epithelial cell receptor protein tyrosine kinase; Epithelial cell kinase; ephrin type-A receptor 2; CTRCT6; CTPA; ARCC2; ECK; Ephrin type-A receptor 2; EPH receptor A2; anti-EPHA2 antibody

### PRODUCT SPECIFICATIONS

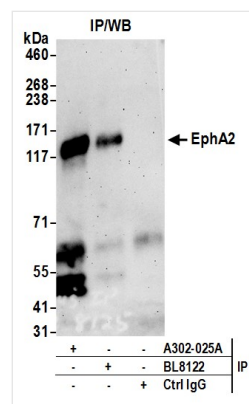
|                                                 |                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                             |
| Reactivity                                      | Human, Mouse                                                                       |
| Clonality                                       | Polyclonal                                                                         |
| Purity/Purification                             | Antigen Affinity Purified                                                          |
| Form/Format                                     | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| Concentration                                   | 200ug/ml (varies by lot)                                                           |
| Applicable Applications for anti-EPHA2 antibody | IP (Immunoprecipitation), WB (Western Blot)                                        |
| Immunogen                                       | Between 926 and C-terminus                                                         |
| Conjugation                                     | Unconjugated                                                                       |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                   |

### IMAGES



#### WB (Western Blot)

Detection of human and mouse EphA2 by western blot. Samples: Whole cell lysate from A-549 (5, 15, 50 ug), HeLa (50ug), and mouse NIH 3T3 (50ug) cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-EphA2 antibody AAA211728 (lot AAA211728-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



#### IP (Immunoprecipitation)

Detection of human EphA2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from A-549 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-EphA2 antibody AAA211728 (lot AAA211728-2) used for IP at 6 ug per reaction. EphA2 was also immunoprecipitated by rabbit anti-EphA2 antibody BL8122. For blotting immunoprecipitated EphA2, AAA211728 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EPHA2 antibody | Ephrin type-A receptor 2 (EphA2) is a member of the Eph family of tyrosine kinase receptors. Eph receptors have been shown to play a critical role in the development of the nervous system, where they regulate patterning during neural development. The ligands for Eph receptors are ephrins. Ephrin receptors and ligands have been found to be frequently overexpressed in a wide variety of cancers. Contrary to the usual finding that the oncogenic properties of tyrosine kinase receptors are promoted by the autophosphorylation of the receptor, it is the dephosphorylation of EphA2 that is associated with its oncogenic activity. The major study of EphA2 has been in relation to its contribution to malignancy and the possibility of targeting it in cancer therapy. |
| Product Categories/Family for anti-EPHA2 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 32967311                                                                                                                                  |
| NCBI GeneID                      | 1969                                                                                                                                      |
| NCBI Accession #                 | NP_004422.2                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_004431.3                                                                                                                               |
| UniProt Accession #              | P29317; Q8N3Z2                                                                                                                            |
| Molecular Weight                 | 108,266 Da                                                                                                                                |
| NCBI Official Full Name          | ephrin type-A receptor 2                                                                                                                  |
| NCBI Official Synonym Full Names | EPH receptor A2                                                                                                                           |
| NCBI Official Symbol             | EPHA2                                                                                                                                     |
| NCBI Official Synonym Symbols    | ECK; CTPA; ARCC2; CTPP1; CTRCT6                                                                                                           |
| NCBI Protein Information         | ephrin type-A receptor 2; soluble EPHA2 variant 1; tyrosine-protein kinase receptor ECK; epithelial cell receptor protein tyrosine kinase |
| UniProt Protein Name             | Ephrin type-A receptor 2                                                                                                                  |
| UniProt Gene Name                | EPHA2                                                                                                                                     |
| UniProt Synonym Gene Names       | ECK                                                                                                                                       |
| UniProt Entry Name               | EPHA2_HUMAN                                                                                                                               |

**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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/epha2-antibody-immunoprecipitation-western-blot-elisa/211728>