

Rabbit EPHB2 / EPH Receptor B2 Polyclonal Antibody | anti-EPHB2 antibody

Rabbit Polyclonal to Human EPHB2 / EPH Receptor B2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51519	Rabbit	Reactivity: Human, Monkey, Mouse, Rat, Rabbit, Zebrafish Predicted Reactivity: Bovine, Hamster, Pig, Chicken	Immunohistochemistry

PRODUCT SYNONYMS

EPHB2 / EPH Receptor B2; Polyclonal Antibody; Rabbit Polyclonal to Human EPHB2 / EPH Receptor B2; EPHB2; CAPB; Cek5; EK; ETECK; EPH tyrosine kinase 3; DRT; ELK-related tyrosine kinase; Hek5; EPH-like kinase 5; EPHT3; Nuk; PCBC; Tyrosine-protein kinase TYRO5; Protein-tyrosine kinase HEK5; Tyro5; EPH receptor B2; Ephrin type-B receptor 2; EPTH3; anti-EPHB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reactivity: Human, Monkey, Mouse, Rat, Rabbit, Zebrafish Predicted Reactivity: Bovine, Hamster, Pig, Chicken
Clonality	Polyclonal
Specificity	Human EPHB2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	987
Applicable Applications for anti-EPHB2 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Species	EPHB2 / EPH Receptor B2 antibody was raised against human
Family/Subfamily	Protein Kinase/Ephrin Receptor
Antigen Type	Synthetic peptide
Immunogen	Synthetic 15 amino acid peptide from internal region of human EPHB2. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Marmoset, Mouse, Rat, Panda, Rabbit, Opossum, Zebrafish (100%); Hamster, Elephant, Bovine, Pig, Turkey, Chicken, Pufferfish (93%); Xenopus, Seabass (87%); Stickleback (80%)
Epitope	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Product Categories/Family for anti-EPHB2 antibody	Family: Protein Kinase; Subfamily: Ephrin Receptor
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21396504
NCBI GeneID	2048
NCBI Accession #	NP_004433.2
NCBI GenBank Nucleotide #	NM_004442.6
UniProt Accession #	P29323 ; O43477 ; Q5T0U6 ; Q5T0U7 ; Q5T0U8

NCBI Official Full Name	ephrin type-B receptor 2 isoform 2
NCBI Official Synonym Full Names	EPH receptor B2
NCBI Official Symbol	EPHB2
NCBI Official Synonym Symbols	DRT; EK5; ERK; CAPB; Hek5; PCBC; EPHT3; Tyro5
NCBI Protein Information	ephrin type-B receptor 2; EPH-like kinase 5; eph tyrosine kinase 3; elk-related tyrosine kinase; protein-tyrosine kinase HEK5; tyrosine-protein kinase TYRO5; renal carcinoma antigen NY-REN-47; tyrosine-protein kinase receptor EPH-3; developmentally-regulated Eph-related tyrosine kinase
UniProt Protein Name	Ephrin type-B receptor 2
UniProt Gene Name	EPHB2
UniProt Synonym Gene Names	DRT; EPHT3; EPTH3; ERK; HEK5; TYRO5; EK5; hEK5
UniProt Entry Name	EPHB2_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/ephb2-eph-receptor-b2-antibody-immunohistochemistry-elisa/51519>