

Recombinant Human EPHB2 Protein

Catalog #	Source	Reactivity	Applications
CRP1495	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human EPHB2 Protein is produced by our mammalian expression system and the target gene encoding Val19-Ser482 is expressed with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.
Gene Symbol	EPHB2
Alternative Names	DRT; EPHT3; EPTH3; ERK; HEK5; TYRO5; Ephrin type-B receptor 2; Developmentally-regulated Eph-related tyrosine kinase; ELK-related tyrosine kinase; EPH tyrosine kinase 3; EPH-like kinase 5; EK5; hEK5; Renal carcinoma antigen NY-REN-47; Tyrosine-protein kin
Entrez Gene	2048 (Human)
SwissProt	P29323 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	VEETLMDSTT ATAELGWMVH PPSGWEEVSG YDENMNTIRT YQVCNVFESS QNNWLRTKFI RRRGAHRIHV EMKFSVRDCS SIPSVPGSCK ETFNLYYYEA DFDSATKTFP NWMENPWVKV DTIAADESFS QVDLGGVMK INTEVRSFGP VSRSGFYLAQ QDYGGCMSLI AVRVFYRKCP RIIQNGAIFQ ETLSGAESTS LVAARGSCIA NAAEVDVPIK LYCNGDGEWL VPIGRMCKA GFEAVENGTV CRGCPSTGTFK ANQGDEACTH CPINSRTTSE GATNCVCRNG YYRADLDPLD MPCTTIPSAP QAVISSVNET SLMLEWTPPR DSGGREDLVY NIICKSCGSG RGACTRCGDN VQYAPRQLGL TEPRIYISDL LAHTQYTFEI QAVNGVTDQS PFSPQFASVN ITTNQAAPSA VSIMHQVSRT VDSITLSWSQ PDQPNGVILD YELQYYEKMK TQRSVDDIEG RMDEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI
EKTISKAKGQ PREPQVYTL P SREEMTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK
TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSL S LSPGK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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