

Rabbit anti-Human CYB5R3 Polyclonal Antibody | anti-CYB5R3 antibody

[KD Validated] CYB5R3 Rabbit pAb

CATALOG # AAA283225	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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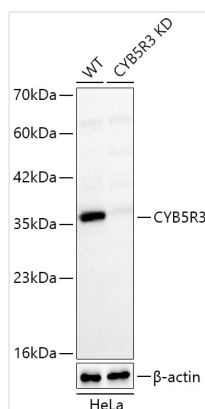
PRODUCT SYNONYMS

CYB5R3; Polyclonal Antibody; [KD Validated] CYB5R3 Rabbit pAb; B5R; DIA1; cytochrome b5 reductase 3; anti-CYB5R3 antibody

PRODUCT SPECIFICATIONS

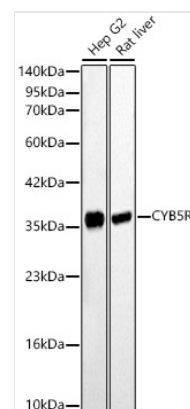
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	FQRSTPAITL ESPDIKYPLR LIDREIISHD TRRFRFALPS PQHILGLPVG QHIYLSARID GNLVVRPYTP ISSDDDKGFV DLVIKVFYFD THPKFPAGGK MSQYLESMQI GDTIEFRGPS GLLVYQGKGK FAIRPDKKSN PIIRTVKSVG MIAGGTGITP MLQVIRAIMK DPDDHTVCHL LFANQTEKDI LLRPELEELR NKHSARFKLW YTLDRAPEAW DYGGQGFVNEE MIRDHLPPPE EEPLVLMCGP PPMIYACLP NLDHVGHPTE RCFVF
Applicable Applications for anti-CYB5R3 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Rat
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 27-301 of human CYB5R3(NM_000398.7).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and CYB5R3 knockdown (KD) HeLa cells using [KD Validated] CYB5R3 Rabbit pAb (AAA283225) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



WB (Western Blot)

Western blot analysis of various lysates using [KD Validated] CYB5R3 Rabbit pAb (AAA283225) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-CYB5R3 antibody	This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endoplasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynthesis, and in drug metabolism. The erythrocyte form is located in a soluble fraction of circulating erythrocytes and is involved in methemoglobin reduction. The membrane-bound form has both membrane-binding and catalytic domains, while the soluble form has only the catalytic domain. Alternate splicing results in multiple transcript variants. Mutations in this gene cause methemoglobinemias.
Product Categories/Family for anti-CYB5R3 antibody	Cancer; Signal Transduction; Endocrine & Metabolism; Lipid Metabolism; Cholesterol Metabolism; Drug metabolism; Cardiovascular; Lipids; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503327
NCBI GeneID	1727
NCBI Accession #	NP_000389.1
NCBI GenBank Nucleotide #	NM_000398.6
UniProt Accession #	P00387; O75675; Q8TDL8; Q8WTS8; Q9UEN4; Q9UEN5; Q9UL55; Q9UL56; B1AHF2; B7Z7L3
Molecular Weight	Calculated MW: 31kDa/34kDa/38kDa Observed MW: 30-38kDa/38kDa
UniProt Protein Name	NADH-cytochrome b5 reductase 3
UniProt Gene Name	CYB5R3
UniProt Synonym Gene Names	DIA1; B5R
UniProt Entry Name	NB5R3_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://stage.aaabiotech.com/polyclonal/cyb5r3-antibody-western-blot-elisa/283225>