

Rabbit anti-Human ROBO4 Polyclonal Antibody | anti-ROBO4 antibody

Anti-ROBO4 Antibody, Rabbit Polyclonal

CATALOG # AAA256965	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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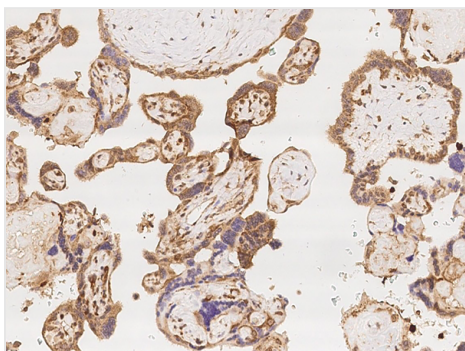
PRODUCT SYNONYMS

ROBO4; Polyclonal Antibody; Anti-ROBO4 Antibody; Rabbit Polyclonal; ROBO4 Antibody; Rabbit PAb; Antigen Affinity Purified; roundabout; axon guidance receptor; homolog 4 (Drosophila); Anti-ECSM4 Antibody; Anti-MRB Antibody; anti-ROBO4 antibody

PRODUCT SPECIFICATIONS

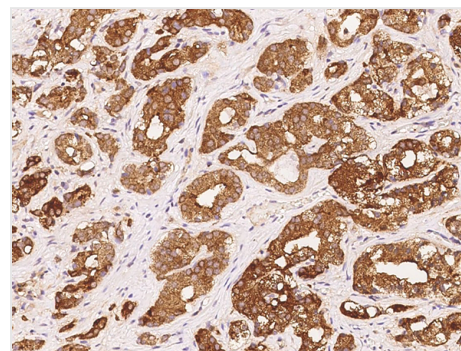
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ROBO4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-ROBO4 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human ROBO4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human ROBO4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human ROBO4 in human placenta with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human ROBO4 in human prostatic carcinoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-ROBO4 antibody	Roundabout homolog 4, also known as magic roundabout and ROBO4 is a member of the immunoglobulin superfamily and ROBO family. ROBO4 is specifically expressed in endothelial cells. It is expressed at sites of angiogenesis in different tumor types. ROBO4 contains two fibronectin type-III domains and two Ig-like C2-type (immunoglobulin-like) domains. ROBO4 is the fourth identified member of the roundabout receptor family. It is the only Robo family member expressed in primary endothelial cells and that application of Slit inhibits their migration. ROBO4 is predominantly expressed in embryonic or tumor vascular endothelium and is considered important for vascular development and as a candidate tumor endothelial marker. ROBO4 is a bona fide member of the Robo family and may provide a repulsive cue to migrating endothelial cells during vascular development. ROBO4 is a receptor for Slit proteins, at least for SLIT2, and seems to be involved in angiogenesis and vascular patterning. ROBO4 may mediate the inhibition of primary endothelial cell migration by Slit proteins. Activating ROBO4 may have broad therapeutic application in diseases characterized by excessive angiogenesis and/or vascular leak.
References	Huminiecki L., et al., 2002, Genomics 79:547-552. Park, K.W. et al., 2003, Dev Biol. 261 (1):251-67. Yoshikawa, M. et al., 2008, Protein Expr Purif. 61 (1):78-82. Jones, C.A. et al., 2008, Nat Med. 14 (4):448-53. Koch, A.W. et al., 2011, Dev Cell. 20 (1):33-46.

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
Online datasheet: <https://stage.aaabiotech.com/polyclonal/robo4-antibody-immunohistochemistry-elisa/256965>