# antibodies .- online.com







## anti-ROBO4 antibody (AA 848-1007)



## Image



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Quantity:	100 μL
Target:	ROBO4
Binding Specificity:	AA 848-1007
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROBO4 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 848-1007 of human ROBO4 (NP_061928.4).
Sequence:	GVGPKGGVLL CPPRPCLTPT PSEGSLANGW GSASEDNAAS ARASLVSSSD GSFLADAHFA RALAVAVDSF GFGLEPREAD CVFIDASSPP SPRDEIFLTP NLSLPLWEWR PDWLEDMEVS HTQRLGRGMP PWPPDSQISS QRSQLHCRMP KAGASPVDYS
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	ROBO4

### **Target Details**

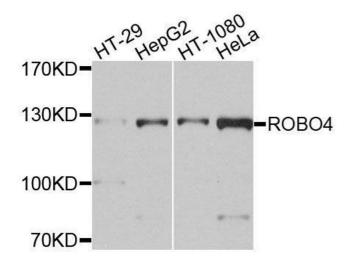
Alternative Name:	ROBO4 (ROBO4 Products)
Background:	Roundabout homolog 4, also known as magic roundabout and ROBO4 is a member of the
	immunoglobulin superfamily and ROBO family. ROBO4 is specifically expressed in endothelial
	cells. It is expressed at sites of angiogenesis in different tumor types. 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.,ROBO4,ECSM4,MRB,Cancer,Invasion and Metastasis,Cell
	Biology & Developmental Biology,Extracellular
	Matrix, Neuroscience, Cardiovascular, Angiogenesis, ROBO4
Molecular Weight:	75 kDa/98 kDa/107 kDa
Gene ID:	54538
UniProt:	Q8WZ75
Application Details	
Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

#### Handling

	Storage:	-20 °C		
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

#### **Images**



#### **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using ROBO4 antibody.