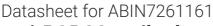
antibodies -online.com





anti-ROBO3 antibody



Image



Go to Product page

\sim				
	$ V \cap$	r\/I	19	٨

Quantity:	200 μL
Target:	ROBO3
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROBO3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human ROBO3 (NP_071765.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	ROBO3	
Alternative Name:	ROBO3 (ROBO3 Products)	
Background:	This gene is a member of the Roundabout (ROBO) gene family that controls neurite outgrowth,	
	growth cone guidance, and axon fasciculation. ROBO proteins are a subfamily of the	
	immunoglobulin transmembrane receptor superfamily. SLIT proteins 1-3, a family of secreted	
	chemorepellants, are ligands for ROBO proteins and SLIT/ROBO interactions regulate	

myogenesis, leukocyte migration, kidney morphogenesis, angiogenesis, and vasculogenesis in addition to neurogenesis. This gene, ROBO3, has a putative extracellular domain with five immunoglobulin (Ig)-like loops and three fibronectin (Fn) type III motifs, a transmembrane segment, and a cytoplasmic tail with three conserved signaling motifs: CC0, CC2, and CC3 (CC for conserved cytoplasmic). Unlike other ROBO family members, ROBO3 lacks motif CC1. The ROBO3 gene regulates axonal navigation at the ventral midline of the neural tube. In mouse, loss of Robo3 results in a complete failure of commissural axons to cross the midline throughout the spinal cord and the hindbrain. Mutations ROBO3 result in horizontal gaze palsy with progressive scoliosis (HGPPS), an autosomal recessive disorder characterized by congenital absence of horizontal gaze, progressive scoliosis, and failure of the corticospinal and somatosensory axon tracts to cross the midline in the medulla. Alternative transcript variants have been described but have not been experimentally validated.

Molecular Weight:

Observed_MW: 200 kDa

Calculated_MW: 110 kDa/148 kDa

Gene ID:

64221

UniProt:

Q96MS0

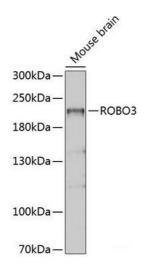
Application Details

Application Notes: WB 1:500-1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of Mouse brain using ROBO3 Polyclonal Antibody at dilution of 1:1000.