

CAB14922

Product Information

Product SKU:	CAB14922	Gene ID:	64221		Size:	20uL, 100uL	
Clone No:	-	Host Species:	Rabbit		Reactivity :	Human	
Additional Information							
Observed MW :	148kDa		Conjugate:	Unconjugated	Ł		

Observed MW: 148kDa Conjugate: Unconjugate: Calculated MW: 148kDa Isotype: IgG

Immunogen Information

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.				
Recommended Dilution:	WB,1:500 - 1:2000				
Synonyms:	HGPS; RIG1; HGPPS; RBIG1; HGPPS1; ROBO3				
Purifcation Method:	Affinity purification				
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-147 of human				
	ROBO3 (NP_071765.2).				
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.				