

Product name:	NAV3 Rabbit Polyclonal Antibody
Cat number:	ABN14418
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human protein . at AA range: 430-510
Reactivity:	Human,Rat,Mouse
Applications:	IHC 1:50-1:300,ICC/IF 1:50-1:200
Molecular Weight:	262kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	This gene belongs to the neuron navigator family and is expressed predominantly in the nervous system. The encoded protein contains coiled-coil domains and a conserved AAA domain characteristic for ATPases associated with a variety of cellular activities. This gene is similar to unc-53, a <i>Caenorhabditis elegans</i> gene involved in axon guidance. Multiple alternatively spliced transcript variants for this gene have been described but only one has had its full-length nature determined. [provided by RefSeq, Jul 2008],developmental stage:Expressed in fetal brain.,disease:Defects in NAV3 may be a cause of mycosis fungoides [MIM:254400]; a malignant T-cell lymphoma of the skin.,disease:Defects in NAV3 may be a cause of Sezary syndrome, a malignant T-cell lymphoma of the skin.,function:May regulate IL2 production by T-cells. May be involved in neuron regeneration.,similarity:Belongs to the Nav/unc-53 family.,similarity:Contains 1 CH (calponin-homology) domain.,tissue specificity:Highly expressed in brain. Expressed at low levels in heart and placenta. Present in activated T-cells but not in resting T-cells (at protein level). Down-regulated in primary neuroblastoma.,