



Anti-Kidins220 Antibody (Clone p220 1F8/3)

Alternative Names: Kinase D Interacting Substrate 220, Ankyrin Repeat-Rich Membrane-Spanning Protein, Kinase D-Interacting Substrate 220kDa, KIAA1250, ARMS

Catalogue Number: AX17-10016-50ug

Size: 50 µg

Background Information

Kinase D Interacting Substrate 220kDa (Kidins220) is a transmembrane protein that is preferentially expressed in brain and neuroendocrine cells. It is phosphorylated by protein Kinase (PKD) and has also been shown to function downstream of the Trk and Eph receptor tyrosine kinases.

Kidins220 controls neuronal cell survival, differentiation into axons and dendrites, and synaptic plasticity. It interacts with membrane receptors, cytosolic signaling components, and cytoskeletal proteins, serving as a scaffold that mediates crosstalk between the neurotrophin pathway and several other intracellular signaling pathways. Additionally, it has been shown to have an important role in the immune system by interacting with the B-cell and T-cell receptor.

Abnormal expression of this protein is associated with the onset of neurodegenerative diseases, including Alzheimer's disease.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgG1	Species Reactivity:	Human, Rat
Immunogen:	Partial length recombinant protein from the C-terminal region of human GST-Kidins220		
Format:	50 µg in 50 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	ELISA IHC IP WB		

Additional Information

Subcellular location:	Endosome	MW:	197kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	57498	Uniprot ID:	Q9ULH0



References

Deswal et al. 2013. *J Immunol.* 190(5):1927-35. PMID: 23359496. ; Bracale et al. 2007. *Mol Biol Cell.* 18(1):142-52. PMID: 17079733. ; Iglesias et al. 2000. *J Biol Chem.* 275(51):40048-56. PMID: 10998417.
