

Anti-VAMP2 Antibody (Monoclonal, SP10)

Catalog Number: M02331

About VAMP2

Growth factor triggering of protein tyrosine kinase receptors induces signals that cascade to the nucleus, activating mitogenic as well as other responses. Critical components of this process include adapter proteins such as Shc, IRS-1 and Gab 1 (GRB-associated binder-1) that lack detectable catalytic activity. These are immediate substrates of receptor tyrosine kinase activity and serve to link activated receptors to downstream signaling components. Whereas Shc has been implicated in signaling by diverse receptor families, IRS-1 serves primarily as the major insulin receptor substrate. Shc and Gab 1 also participate in insulin signaling by linking the insulin receptor to Ras by forming complexes with GRB2 (another adapter protein) and Sos independently of IRS-1. Gab 1 is also thought to be involved in the EGF receptor signaling pathway.

Overview

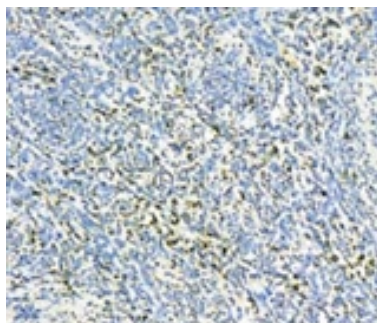
Product Name	Anti-VAMP2 Antibody (Monoclonal, SP10)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VAMP2 Antibody (Monoclonal, SP10) catalog # M02331. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	HRP
Application	IHC, WB
Clonality	Monoclonal SP10
Formulation	Each vial contains 0.1mM PMSF and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P63027

Technical Details

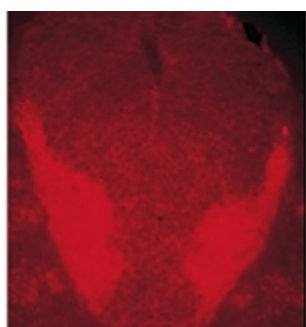
Immunogen	Synaptic vesicle-containing fractions immunoprecipitated from human brain homogenates using anti-human Synaptophysin monoclonal antibodies.
Predicted Reactive Species	Bovine, Canine, Equine, Guinea Pig, Pig, Rabbit, Zebrafish
Isotype	IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

Purification	Ammonium sulfate precipitation purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB, 1:4, 000, colorimetric, Human, Mouse, Rat</p> <p>IHC, 1:50, Human, Mouse, Rat</p>

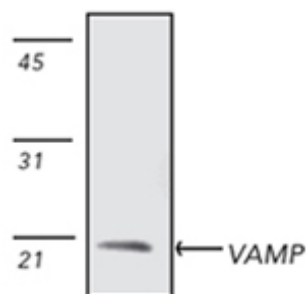
Anti-VAMP2 Antibody (Monoclonal, SP10) (M02331) Images



VAMP2 was detected in paraffin-embedded sections of human neuroblastoma tissue using mouse anti-VAMP2 ammonium sulfate precipitation purified monoclonal antibody (Catalog # M02331) at 1:50. The immunohistochemical section was developed using SABC method (Catalog # SA1021).



VAMP2 was detected in paraffin-embedded sections of Xenopus embryonic brain tissues using mouse anti-VAMP2 ammonium sulfate precipitation purified monoclonal antibody (Catalog # M02331) at 1:50. The immunohistochemical section was developed using SABC method (Catalog # SA1072).



Western blot analysis of VAMP2 expression in mouse brain extract (lane 1). VAMP2 at 18KD was detected using mouse anti-VAMP2 ammonium sulfate precipitation purified monoclonal antibody (Catalog # M02331) at 1:4000. The blot was developed using colorimetric method.

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