

**Dab1 (phospho Tyr232) Polyclonal Antibody**

<b>Catalog No :</b>	YP0522
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	Dab1
<b>Fields :</b>	>>Spinocerebellar ataxia
<b>Gene Name :</b>	DAB1
<b>Protein Name :</b>	Disabled homolog 1
<b>Human Gene Id :</b>	8674
<b>Human Swiss Prot No :</b>	O75553
<b>Mouse Gene Id :</b>	13131
<b>Mouse Swiss Prot No :</b>	P97318
<b>Rat Gene Id :</b>	266729
<b>Rat Swiss Prot No :</b>	Q8CJH2
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Dab1 around the phosphorylation site of Tyr232. AA range:199-248
<b>Specificity :</b>	Phospho-Dab1 (Y232) Polyclonal Antibody detects endogenous levels of Dab1 protein only when phosphorylated at Y232.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.

**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 80kD

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**Background :** The laminar organization of multiple neuronal types in the cerebral cortex is required for normal cognitive function. In mice, the disabled-1 gene plays a central role in brain development, directing the migration of cortical neurons past previously formed neurons to reach their proper layer. This gene is similar to disabled-1, and the protein encoded by this gene is thought to be a signal transducer that interacts with protein kinase pathways to regulate neuronal positioning in the developing brain. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. [provided by RefSeq, Jul 2008],

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**Function :** domain:The PID domain specifically binds to the Asn-Pro-Xaa-Tyr(P) motif found in many tyrosine-phosphorylated proteins.,function:Adapter molecule functioning in neural development. May regulate SIAH1 activity.,PTM:Phosphorylated on Tyr-198 and Tyr-220 upon reelin induction in embryonic neurons (By similarity). Also phosphorylated on Ser-524 independently of reelin signaling.,similarity:Contains 1 PID domain.,subunit:Associates with the SH2 domains of SRC, FYN and ABL. Interacts with DAB2IP and SIAH1 (By similarity). Interacts with LRP1.,

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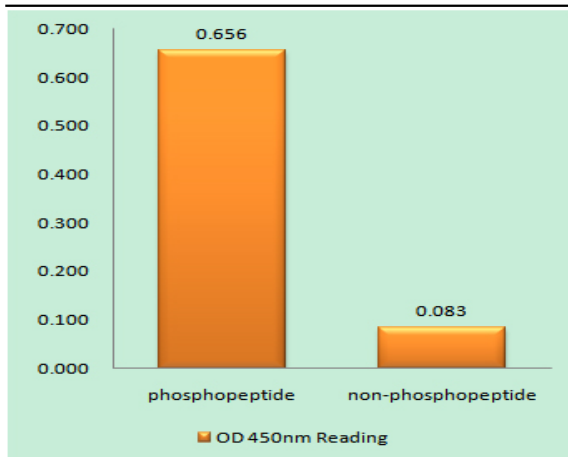
**Subcellular Location :** nucleolus,microtubule organizing center,cytosol,brush border,postsynaptic density,membrane,neuron projection,neuronal cell body,intracellular membrane-bounded organelle,apical part of cell,perinuclear region of cytoplasm,

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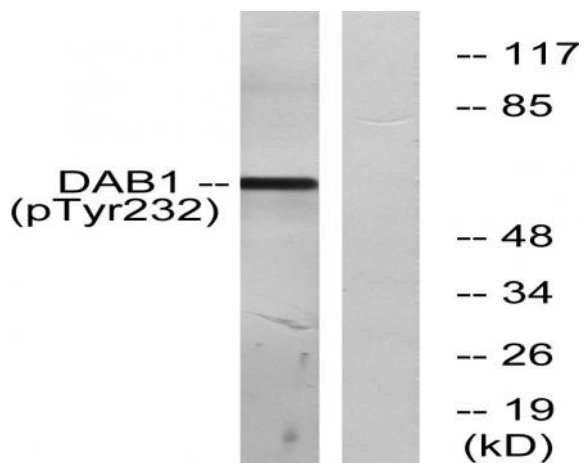
**Expression :** Mainly expressed in brain.

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## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Dab1 (Phospho-Tyr232) Antibody



Western blot analysis of lysates from LOVO cells, using Dab1 (Phospho-Tyr232) Antibody. The lane on the right is blocked with the phospho peptide.