SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Phospho-Dab1 (Tyr198) antibody

Catalog Number: SL11548R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Phospho-Dab1 (Tyr198)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human Dab1 around the phosphorylation site of Tyr198: V(p-Y)QY
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	65kDa
Subcellular Location:	cytoplasmic
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] **Function:** Adapter molecule functioning in neural development. May regulate SIAH1 activity.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subunit: Associates with the SH2 domains of SRC, FYN and ABL. Interacts with DAB2IP and SIAH1. Interacts with LRP1. **Post-translational modifications:** Phosphorylated on Tyr-198 and Tyr-220 upon reelin induction in embryonic neurons. Also phosphorylated on Ser-524 independently of reelin signaling. **Similarity:** Contains 1 PID domain. **Database links:** **Entrez Gene:** 1600 Human **Entrez Gene:** 13131 Mouse **Entrez Gene:** 266729 Rat **Entrez Gene:** 374083 Chicken Omim: 603448 Human **SwissProt:** O75553 Human **SwissProt:** P97318 Mouse **SwissProt:** Q8CJH2 Rat **Unigene:** 477370 Human **Unigene:** 289682 Mouse **Unigene:** 206534 Rat

[VALIDATION IMAGES]

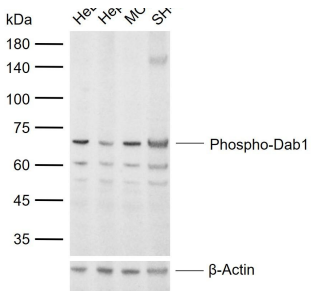


Figure 1. Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HepG2 cell lysates Lane 3: Human MCF-7 cell lysates Lane 4: Human SH-SY5Y cell lysates Primary: Anti-Phospho-Dab1 (Tyr198) (SL11548R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kDa Observed band size: 68 kDa

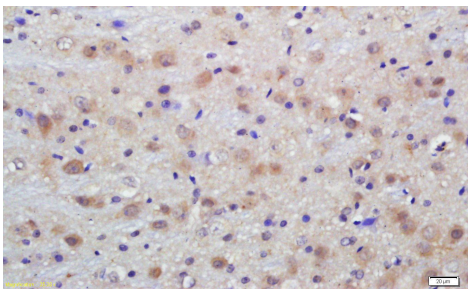


Figure 2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-Dab1 (Tyr198) Polyclonal Antibody, Unconjugated(SL11548R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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