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Datasheet for ABIN7117389 anti-PHACTR4 antibody



Overview

| Quantity: | 100 µg |
|-----------------|---|
| Target: | PHACTR4 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PHACTR4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |
| Product Details | |
| Immunogen: | phosphatase and actin regulator 4 |
| Isotype: | lgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |
| | |

Target Details

| Target: | PHACTR4 |
|-------------------|---|
| Alternative Name: | PHACTR4 (PHACTR4 Products) |
| Background: | Synonyms: Background:Regulator of protein phosphatase 1(PP1) required for neural tube and optic fissure closure, and enteric neural crest cell(ENCCs) migration during development. Acts as an activator of PP1 by interacting with PPP1CA and preventing phosphorylation of PPP1CA |
| | at 'Thr-320'. During neural tube closure, localizes to the ventral neural tube and activates PP1, |

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Target Details

| | leading to down-regulate cell proliferation within cranial neural tissue and the neural retina. Also |
|-------------------|--|
| | acts as a regulator of migration of enteric neural crest cells(ENCCs) by activating PP1, leading |
| | to dephosphorylation and subsequent activation of cofilin(COF1 or COF2) and repression of the |
| | integrin signaling through the RHO/ROCK pathway(By similarity). |
| Molecular Weight: | 71-85 kDa |
| Gene ID: | 65979 |
| UniProt: | Q8IZ21 |
| Pathways: | Tube Formation |
| | |

Application Details

| Application Notes: | WB: 1:500-1:2000, IF: 1:20-1:200 |
|--------------------|----------------------------------|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|---|
| Buffer: | PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3, |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| | should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |
| Expiry Date: | 12 months |