

ARHGEF9 polyclonal antibody

Catalog: BS61256

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

ARHGEF9 (Rho guanine nucleotide exchange factor 9), also known as PEM-2 homolog or Collybistin, is a 516 amino acid cytoplasmic protein. ARHGEF9 acts as a guanine nucleotide exchange factor for Cdc42 and promotes formation of Gephyrin clusters by directly interacting with Gephyrin. ARHGEF9 contains one DH (DBL-homology) domain, one PH domain and one SH3 domain. Defects in the gene encoding ARHGEF9 are believed to be a cause for startle disease with epilepsy (STHEE), also known as hyperekplexia with epilepsy. This disease is a heterogeneous neurological disorder characterized by muscular rigidity, particularly in the neonatal period, and a startle response to auditory or tactile stimuli.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 54 kDa

Swiss-Prot:

O43307

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

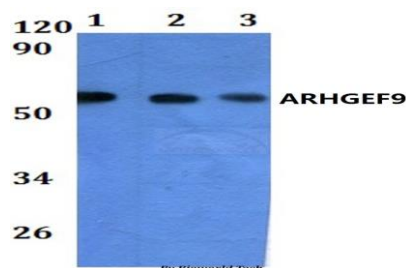
WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ARHGEF9 polyclonal antibody detects endogenous levels of ARHGEF9 protein.

DATA:

Western blot (WB) analysis of ARHGEF9 polyclonal antibody at 1:500 dilution

Lane1: HEK293T whole cell lysate

Lane2: Raw264.7 whole cell lysate

Lane3: PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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