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GEP100/IQSEC1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55358

Specification

GEP100/IQSEC1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q6DN90
Reactivity	**Rat, Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**108314**

GEP100/IQSEC1 Polyclonal Antibody - Additional Information

Gene ID 9922

Other Names
IQ motif and SEC7 domain-containing protein 1, ADP-ribosylation factors guanine nucleotide-exchange protein 100, ADP-ribosylation factors guanine nucleotide-exchange protein 2, Brefeldin-resistant Arf-GEF 2 protein, BRAG2, IQSEC1 (HGNC:29112)

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

GEP100/IQSEC1 Polyclonal Antibody - Protein Information

Name IQSEC1 (HGNC:29112)

Function
Guanine nucleotide exchange factor for ARF1 and ARF6 (PubMed:11226253, PubMed:24058294). Guanine nucleotide exchange factor activity is enhanced by lipid binding (PubMed:24058294). Accelerates

GTP binding by ARFs of all three classes. Guanine nucleotide exchange protein for ARF6, mediating internalization of beta-1 integrin (PubMed:16461286). Involved in neuronal development (Probable). In neurons, plays a role in the control of vesicle formation by endocytoc cargo. Upon long term depression, interacts with GRIA2 and mediates the activation of ARF6 to internalize synaptic AMPAR receptors (By similarity).

Cellular Location
Cytoplasm. Nucleus. Postsynaptic density {ECO:0000250|UniProtKB:Q8R0S2}. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle {ECO:0000250|UniProtKB:Q8R0S2}. Note=At steady state, may be preferentially cytosolic

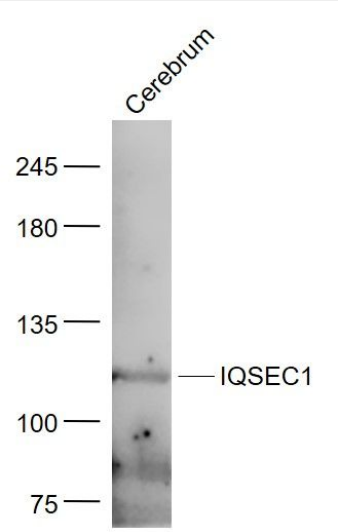
Tissue Location
Expressed in brain, ovary, heart, lung, liver, kidney and leukocytes. Moderate expression was also detected in lung, skeletal muscle, placenta, small intestine, pancreas, spleen and testis.

GEP100/IQSEC1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GEP100/IQSEC1 Polyclonal Antibody - Images



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- GEP100/IQSEC1 (bs-13960R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 108 kD
Observed band size: 108 kD

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