

**IQSEC1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15168****Specification**

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**IQSEC1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">Q6DN90</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 108kDa KDa             |

**IQSEC1 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, IQSEC1, ARFGEP100, BRAG2, KIAA0763

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

IQSEC1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**IQSEC1 Antibody - Protein Information****Name** IQSEC1 ([HGNC:29112](#))**Function**

Guanine nucleotide exchange factor for ARF1 and ARF6 (PubMed:<a href="http://www.uniprot.org/citations/24058294" target="\_blank">24058294</a>, PubMed:<a href="http://www.uniprot.org/citations/11226253" target="\_blank">11226253</a>). Guanine nucleotide exchange factor activity is enhanced by lipid binding (PubMed:<a href="http://www.uniprot.org/citations/24058294" target="\_blank">24058294</a>). Accelerates GTP binding by ARFs of all three classes. Guanine nucleotide exchange protein for ARF6, mediating internalization of beta-1 integrin (PubMed:<a href="http://www.uniprot.org/citations/16461286" target="\_blank">16461286</a>). 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.

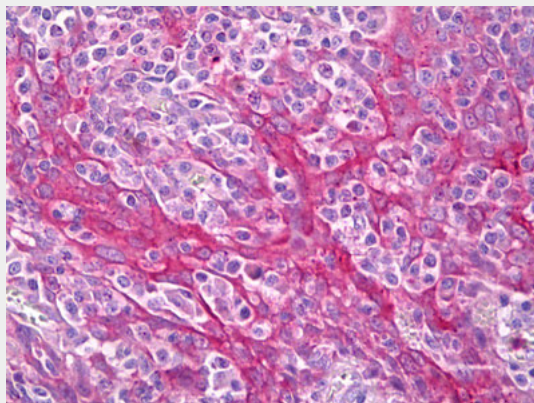
**Volume**

50 µl

**IQSEC1 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 Cytometry](#)
- [Cell Culture](#)

**IQSEC1 Antibody - Images**

Anti-IQSEC1 antibody IHC of human tonsil, squamous epithelium.

**IQSEC1 Antibody - Background**

In addition to accelerate GTP gamma S binding by ARFs of all three classes, it appears to function preferentially as a guanine nucleotide exchange protein for ARF6, mediating internalisation of beta-1 integrin.

**IQSEC1 Antibody - References**

- Dunphy J.L., et al. Curr. Biol. 16:315-320(2006).  
Nagase T., et al. DNA Res. 5:277-286(1998).  
Someya A., et al. Proc. Natl. Acad. Sci. U.S.A. 98:2413-2418(2001).  
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).  
Mayya V., et al. Sci. Signal. 2:RA46-RA46(2009).