

RANGAP1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS12522**Specification**

RANGAP1 Antibody - Product Information

Application	IHC
Primary Accession	P46060
Reactivity	Human, Xenopus
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa KDa

RANGAP1 Antibody - Additional Information**Gene ID** 5905**Other Names**

Ran GTPase-activating protein 1, RanGAP1, RANGAP1, KIAA1835, SD

Target/Specificity

Reacts with human & Xenopus RanGAP

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

RANGAP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RANGAP1 Antibody - Protein Information**Name** RANGAP1**Synonyms** KIAA1835, SD**Function**

GTPase activator for RAN (PubMed:8146159, PubMed:8896452, PubMed:16428860). Converts cytoplasmic GTP-bound RAN to GDP-bound RAN, which is essential for RAN-mediated nuclear import and export (PubMed:8896452, PubMed:27160050). Mediates dissociation of cargo from nuclear export complexes containing XPO1, RAN and RANBP2 after nuclear export (PubMed:27160050).

Cellular Location

Cytoplasm. Nucleus, nucleoplasm. Nucleus envelope. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle. Note=Cytoplasmic during interphase Detected at the nuclear envelope during interphase (PubMed:11854305, PubMed:15037602). Targeted to the nuclear pores after sumoylation (PubMed:11854305). During mitosis, associates with mitotic spindles, but is essentially not detected at the spindle poles (PubMed:11854305, PubMed:15037602). Association with kinetochores appears soon after nuclear envelope breakdown and persists until late anaphase (PubMed:11854305). Mitotic location also requires sumoylation (PubMed:11854305).

Tissue Location

Highly expressed in brain, thymus and testis.

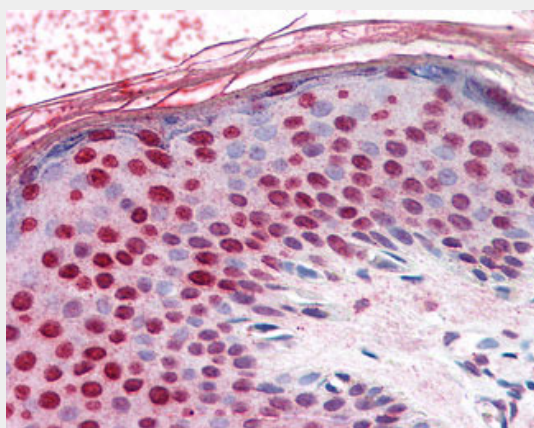
Volume

50 µl

RANGAP1 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](#)

RANGAP1 Antibody - Images

Anti-RANGAP1 antibody IHC of human skin.

RANGAP1 Antibody - Background

GTPase activator for the nuclear Ras-related regulatory protein Ran, converting it to the putatively inactive GDP-bound state.

RANGAP1 Antibody - References

Bischoff F.R., et al. Proc. Natl. Acad. Sci. U.S.A. 92:1749-1753(1995).

Nagase T.,et al.DNA Res. 8:85-95(2001).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Dunham I.,et al.Nature 402:489-495(1999).