

RPS2 Antibody (clone 3G6)
Mouse Monoclonal Antibody
Catalog # ALS13383**Specification****RPS2 Antibody (clone 3G6) - Product Information**

Application	WB, IHC-P, E
Primary Accession	P15880
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	31kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

RPS2 Antibody (clone 3G6) - Additional Information**Gene ID** 6187**Other Names**

40S ribosomal protein S2, 40S ribosomal protein S4, Protein LLRep3, RPS2, RPS4

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

RPS2 Antibody (clone 3G6) is for research use only and not for use in diagnostic or therapeutic procedures.

RPS2 Antibody (clone 3G6) - Protein Information**Name** RPS2**Synonyms** RPS4**Function**

Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules (PubMed:23636399). The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain (PubMed:23636399). The nascent polypeptides leave the ribosome through a tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the

exit of the ribosomal tunnel (PubMed:23636399). Plays a role in the assembly and function of the 40S ribosomal subunit (By similarity). Mutations in this protein affects the control of translational fidelity (By similarity). Involved in nucleolar processing of pre-18S ribosomal RNA and ribosome assembly (By similarity).

Cellular Location

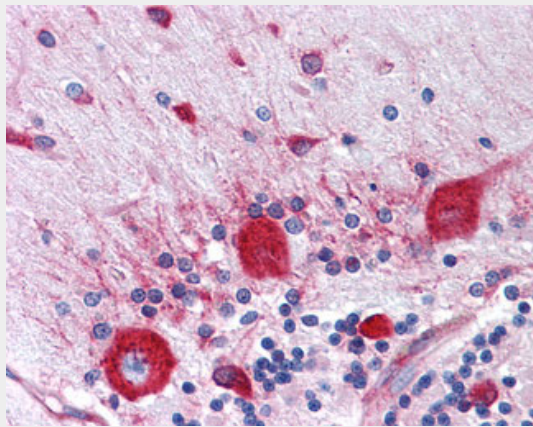
Cytoplasm. Nucleus, nucleolus. Note=Probably localized to nucleolus and cytoplasm in complex with ZNF277.

RPS2 Antibody (clone 3G6) - Protocols

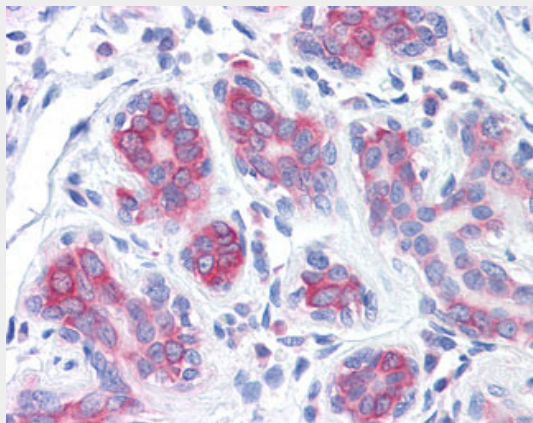
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

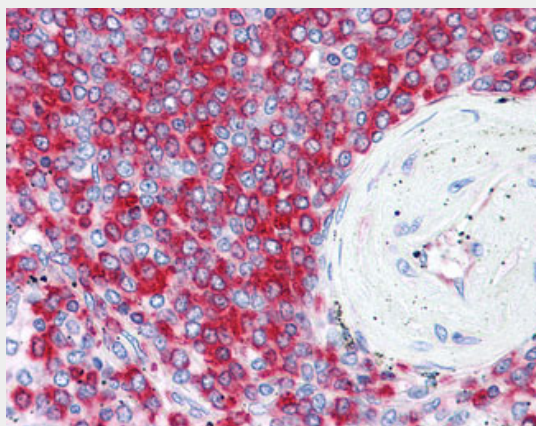
RPS2 Antibody (clone 3G6) - Images



Anti-RPS2 antibody IHC of human brain, cerebellum.



Anti-RPS2 antibody IHC of human breast.



Anti-RPS2 antibody IHC of human spleen.

RPS2 Antibody (clone 3G6) - References

- Slynn G., et al. Nucleic Acids Res. 18:681-681(1990).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Vladimirov S.N., et al. Eur. J. Biochem. 239:144-149(1996).
Swiercz R., et al. Biochem. J. 386:85-91(2005).