

GMPS / GMP Synthase Antibody (clone 1D10)
Mouse Monoclonal Antibody
Catalog # ALS13447**Specification**

GMPS / GMP Synthase Antibody (clone 1D10) - Product Information

Application	IHC
Primary Accession	P49915
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	77kDa KDa

GMPS / GMP Synthase Antibody (clone 1D10) - Additional Information**Gene ID** 8833**Other Names**

GMP synthase [glutamine-hydrolyzing], 6.3.5.2, GMP synthetase, Glutamine amidotransferase, GMPS

Reconstitution & Storage

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

Precautions

GMPS / GMP Synthase Antibody (clone 1D10) is for research use only and not for use in diagnostic or therapeutic procedures.

GMPS / GMP Synthase Antibody (clone 1D10) - Protein Information**Name** GMPS**Function**

Catalyzes the conversion of xanthine monophosphate (XMP) to GMP in the presence of glutamine and ATP through an adenylyl-XMP intermediate.

Cellular Location

Cytoplasm, cytosol.

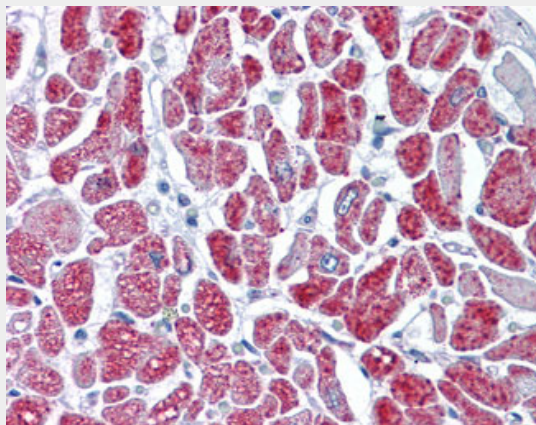
GMPS / GMP Synthase Antibody (clone 1D10) - Protocols

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](#)

GMPS / GMP Synthase Antibody (clone 1D10) - Images



Anti-GMPS antibody IHC of human heart.

GMPS / GMP Synthase Antibody (clone 1D10) - Background

Involved in the de novo synthesis of guanine nucleotides which are not only essential for DNA and RNA synthesis, but also provide GTP, which is involved in a number of cellular processes important for cell division.

GMPS / GMP Synthase Antibody (clone 1D10) - References

Hirst M.,et al.J. Biol. Chem. 269:23830-23837(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Pegram L.D.,et al.Blood 96:4360-4362(2000).