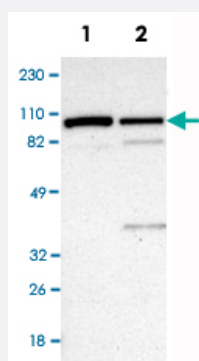


MARS polyclonal antibody

Catalog # PAB30671

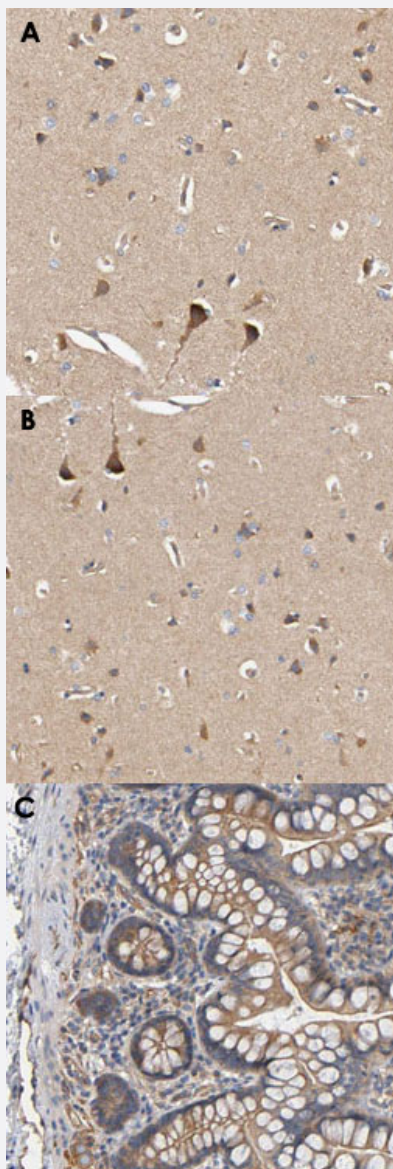
Size 100 uL

Applications



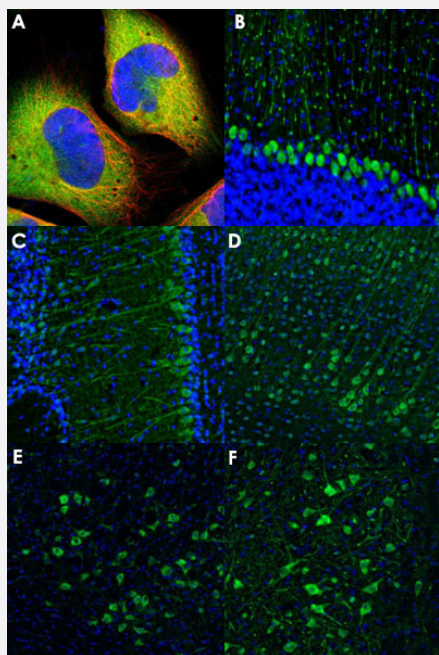
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251MG sp cell lysates with MARS polyclonal antibody (Cat # PAB30671).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex (A, B), human small intestine (C) with MARS polyclonal antibody (Cat # PAB30671). A: Human cerebral cortex shows cytoplasmic positivity in subsets of neurons. B: Human cerebral cortex shows cytoplasmic immunoreactivity in neuronal cell bodies. C: Human small intestine shows moderate cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of U-2 OS (A), mouse cerebellum (B), mouse olfactory bulb (C), mouse visual cortex (D), mouse cerebral peduncle (E) and mouse pons (F) with MARS polyclonal antibody (Cat # PAB30671) (Green). A: U-2 OS shows positivity in cytoplasm. B: Mouse cerebellum shows cytoplasmic immunoreactivity in Purkinje cells. C: Mouse olfactory bulb shows cytoplasmic positivity in mitral and external plexiform layer neurons. D: Mouse visual cortex shows cytoplasmic and axonal staining in neurons. E: Mouse cerebral peduncle shows cytoplasmic positivity in red nucleus neurons. F: Mouse pons shows neuronal positivity in motor trigeminal nucleus.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MARS.
Immunogen	Recombinant protein corresponding to human MARS.
Sequence	FVLQDTVEQLRCEHCARFLADRFVEGVCPFCGYEEARGDQCCKGKLINAVELKKPQCKVCRS CPVVQSSQHLFLDLPKLEKRLEEWLGRITLPGSDWTPNAQFITRSWLRDGLKPRCITRDLKWGTP VPLEGFEDKVIFYWFD
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251MG sp cell lysates with MARS polyclonal antibody (Cat # PAB30671).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex (A, B), human small intestine (C) with MARS polyclonal antibody (Cat # PAB30671). A: Human cerebral cortex shows cytoplasmic positivity in subsets of neurons. B: Human cerebral cortex shows cytoplasmic immunoreactivity in neuronal cell bodies. C: Human small intestine shows moderate cytoplasmic positivity in glandular cells.

- Immunofluorescence

Immunofluorescent staining of U-2 OS (A), mouse cerebellum (B), mouse olfactory bulb (C), mouse visual cortex (D), mouse cerebral peduncle (E) and mouse pons (F) with MARS polyclonal antibody (Cat # PAB30671) (Green). A: U-2 OS shows positivity in cytoplasm. B: Mouse cerebellum shows cytoplasmic immunoreactivity in Purkinje cells. C: Mouse olfactory bulb shows cytoplasmic positivity in mitral and external plexiform layer neurons. D: Mouse visual cortex shows cytoplasmic and axonal staining in neurons. E: Mouse cerebral peduncle shows cytoplasmic positivity in red nucleus neurons. F: Mouse pons shows neuronal positivity in motor trigeminal nucleus.

Gene Info — MARS

Entrez GeneID	4141
Protein Accession#	P56192
Gene Name	MARS
Gene Alias	FLJ35667, METRS, MTRNS
Gene Description	methionyl-tRNA synthetase
Omim ID	156560
Gene Ontology	Hyperlink
Gene Summary	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene belongs to the class I family of tRNA synthetases. [provided by RefSeq]
Other Designations	methionine tRNA ligase 1, cytoplasmic methionine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Selenoamino acid metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)