

MYO5A Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3300a**Specification**

MYO5A Antibody (internal region) - Product Information

Application	IF, WB
Primary Accession	Q9Y4I1
Other Accession	NP_000250.3 , NP_001135967.1 , 4644 , 17918 (mouse), 25017 (rat)
Reactivity	Human, Mouse
Predicted	Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	215405

MYO5A Antibody (internal region) - Additional Information**Gene ID** 4644**Other Names**

Unconventional myosin-Va, Dilute myosin heavy chain, non-muscle, Myosin heavy chain 12, Myosin-12, Myoxin, MYO5A, MYH12

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MYO5A Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MYO5A Antibody (internal region) - Protein Information**Name** MYO5A**Synonyms** MYH12**Function**

Processive actin-based motor that can move in large steps approximating the 36-nm pseudo-repeat of the actin filament. Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane. May also be required for some polarization process

involved in dendrite formation.

Tissue Location

Detected in melanocytes.

MYO5A Antibody (internal region) - 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](#)

MYO5A Antibody (internal region) - Images

AF3300a (1 μ g/ml) staining of Mouse Skeletal Muscle (first panel, and in green in third panel). Alpha-bungaratoxin staining in middle panel and in red in third panel. Detected by Fluorescence. Data kindly provided by Dr. Rüdiger Rudolf, Karlsruhe, Germany



AF3300a (1 μ g/ml) staining of Jurkat lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MYO5A Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_000250.3; NP_001135967.1).

MYO5A Antibody (internal region) - References

Genetic susceptibility to distinct bladder cancer subphenotypes. Guey LT, Garc a-Closas M, Murta-Nascimento C, Lloreta J, Palencia L, Kogevinas M, Rothman N, Vellalta G, Calle ML, Marenne G, Tard n A, Carrato A, Garc a-Closas R, Serra C, Silverman DT, Chanock S, Real FX, Malats N, European urology 2010 Feb 57 (2): 283-92. PMID: 19692168