

**Goat Anti-TOM1L2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2099a****Specification**

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**Goat Anti-TOM1L2 Antibody - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q6ZVM7</a>
Other Accession	<a href="#">NP_001076437</a> , <a href="#">146691</a>
Reactivity	Human
Predicted	Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	55556

**Goat Anti-TOM1L2 Antibody - Additional Information****Gene ID** 146691**Other Names**

TOM1-like protein 2, Target of Myb-like protein 2, TOM1L2

**Dilution**WB~~1:1000  
IHC~~1:100~500  
E~~N/A**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, 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**

Goat Anti-TOM1L2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-TOM1L2 Antibody - Protein Information****Name** TOM1L2**Function**

Acts as a MYO6/Myosin VI adapter protein that targets myosin VI to endocytic structures

(PubMed:<a href="http://www.uniprot.org/citations/23023224" target="\_blank">23023224</a>). May also play a role in recruiting clathrin to endosomes (PubMed:<a href="http://www.uniprot.org/citations/16412388" target="\_blank">16412388</a>). May regulate growth factor-induced mitogenic signaling (PubMed:<a href="http://www.uniprot.org/citations/16479011" target="\_blank">16479011</a>).

#### Tissue Location

Ubiquitously expressed with higher expression in heart and skeletal muscle.

#### Goat Anti-TOM1L2 Antibody - Protocols

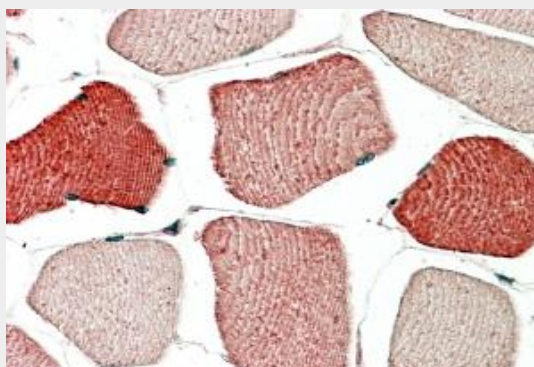
Provided below are standard protocols that you may find useful for product applications.

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

#### Goat Anti-TOM1L2 Antibody - Images



AF2099a (0.03 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2099a (5 µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **Goat Anti-TOM1L2 Antibody - References**

Analysis of lipid pathway genes indicates association of sequence variation near SREBF1/TOM1L2/ATPAF2 with dementia risk. Reynolds CA, et al. Hum Mol Genet, 2010 May 15. PMID 20167577.

The adaptor protein Tom1L1 is a negative regulator of Src mitogenic signaling induced by growth factors. Franco M, et al. Mol Cell Biol, 2006 Mar. PMID 16479011.

Recruitment of clathrin onto endosomes by the Tom1-Tollip complex. Katoh Y, et al. Biochem Biophys Res Commun, 2006 Mar 3. PMID 16412388.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

Time-resolved mass spectrometry of tyrosine phosphorylation sites in the epidermal growth factor receptor signaling network reveals dynamic modules. Zhang Y, et al. Mol Cell Proteomics, 2005 Sep. PMID 15951569.