

Anti-ACM2 Rabbit Monoclonal Antibody
Catalog # ABO15814**Specification**

Anti-ACM2 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	P08172
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-ACM2 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-ACM2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 1129

Other Names

Muscarinic acetylcholine receptor M2, CHRM2

Calculated MW

52 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
IP 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human ACM2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-ACM2 Rabbit Monoclonal Antibody - Protein Information

Name CHRM2

Function

Muscarinic receptor for acetylcholine, a neurotransmitter found in the brain, neuromuscular junctions and the autonomic ganglia (PubMed:24256733, PubMed:3443095, PubMed:36690613). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed:36690613). CHRM2 is coupled to G(i)/G(o) (GNAI1 or GNAO1) G proteins and mediates signaling by inhibiting adenylate cyclase activity (PubMed:36690613).

Cellular Location

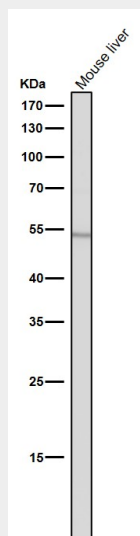
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Note=Phosphorylation in response to agonist binding promotes receptor internalization {ECO:0000250|UniProtKB:P06199}

Anti-ACM2 Rabbit Monoclonal Antibody - Protocols

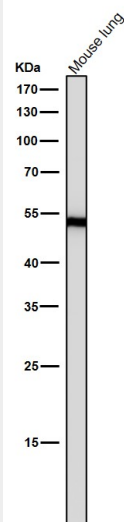
Provided below are standard protocols that you may find useful for product applications.

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

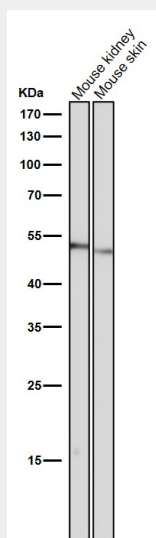
Anti-ACM2 Rabbit Monoclonal Antibody - Images



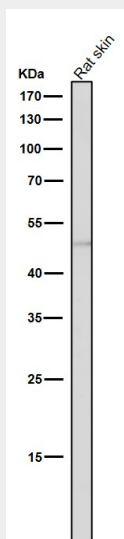
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



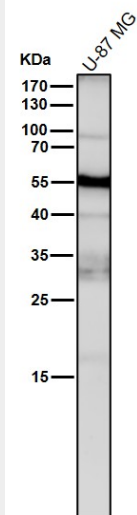
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



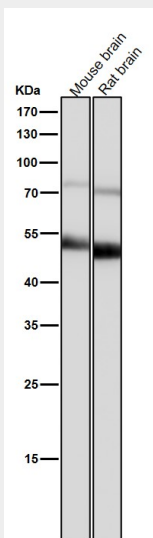
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



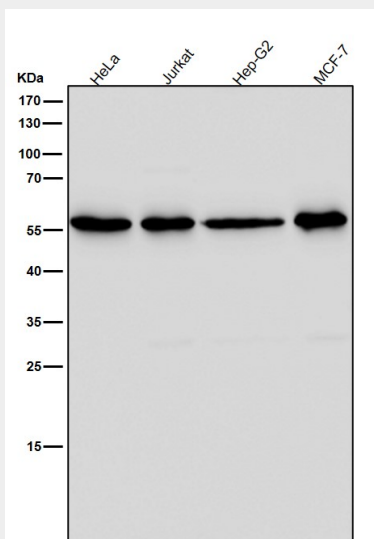
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



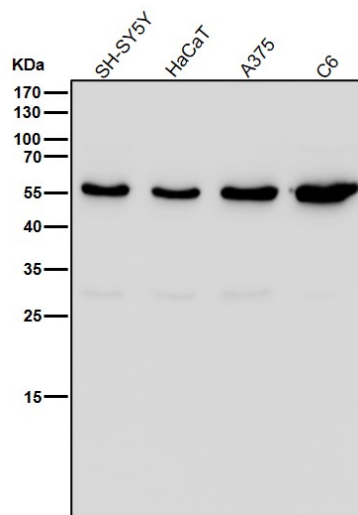
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



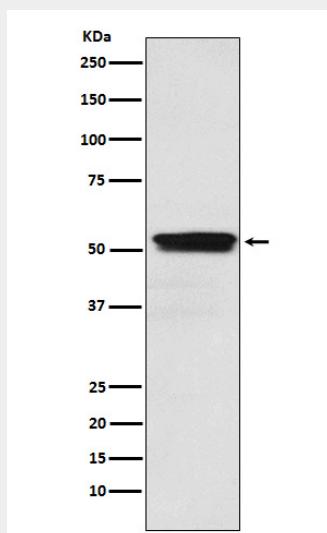
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Western blot analysis of ACM2 expression in U87-MG cell lysate.