

## CHRM3 Polyclonal Antibody

Catalog No: #42122

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## Description

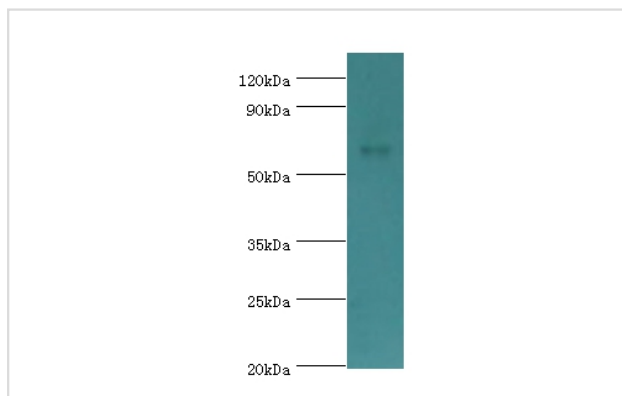
Product Name	CHRM3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CHRM3 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Muscarinic acetylcholine receptor M3 protein(270-470aa)
Target Name	CHRM3
Other Names	Muscarinic acetylcholine receptor M3, CHRM3
Accession No.	Swiss-Prot#: P20309
Uniprot	P20309
GeneID	1131;
Calculated MW	66kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

## Application Details

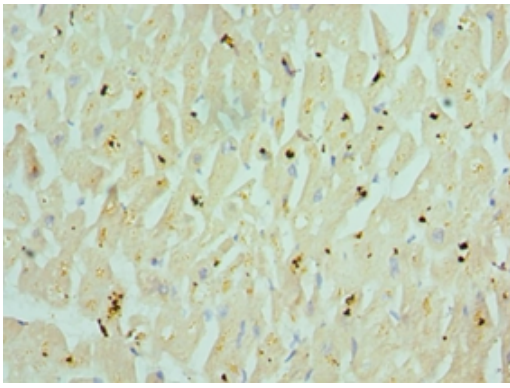
Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

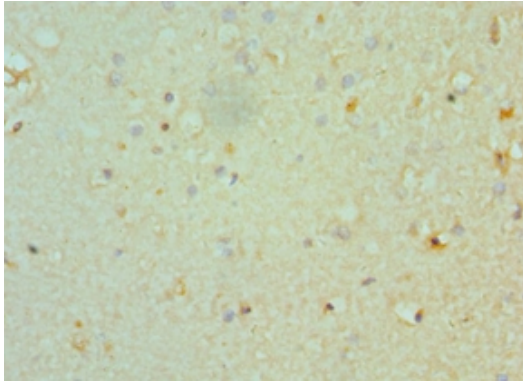
## Images



All lanes: Muscarinic acetylcholine receptor M3 antibody at  
2ug/ml+Hela whole cell lysate  
secondary  
Goat polyclonal to rabbit at 1/10000 dilution  
predicted band size :66kDa  
observed band size :66kDa



Immunohistochemical analysis of paraffin-embedded human heart using #42122 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human brain using #42122 at dilution of 1:100.

## Background

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.

## References

- [1]Identification and structural determination of the M(3) muscarinic acetylcholine receptor basolateral sorting signal."Iverson H.A., Fox D. III, Nadler L.S., Klevit R.E., Nathanson N.M.J. *Biol. Chem.* 280:24568-24575(2005). [2]The muscarinic M3 acetylcholine receptor exists as two differently sized complexes at the plasma membrane." Patowary S., Alvarez-Curto E., Xu T.R., Holz J.D., Oliver J.A., Milligan G., Raicu V.*Biochem. J.* 452:303-312(2013). [3]Muscarinic acetylcholine receptor M3 mutation causes urinary bladder disease and a prune-belly-like syndrome."Weber S., Thiele H., Mir S., Toliat M.R., Sozeri B., Reutter H., Draaken M., Ludwig M., Altmuller J., Frommolt P., Stuart H.M., Ranjzad P., Hanley N.A., Jennings R., Newman W.G., Wilcox D.T., Thiel U., Schlingmann K.P. *Woolf A.S.Am. J. Hum. Genet.* 89:668-674(2011).

Note: This product is for in vitro research use only