10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CAPS Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CAPS.
Catalog # AT1392a

Product Information

Application	WB, E
Primary Accession	Q13938
Other Accession	NM_004058
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4C6
Calculated MW	30240

Additional Information

Gene ID	828
Other Names	Calcyphosin, Calcyphosine, CAPS
Target/Specificity	CAPS (NP_004049, 1 a.a. ~ 109 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CAPS Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

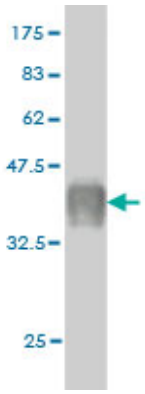
Background

This gene encodes a calcium-binding protein, which may play a role in the regulation of ion transport. A similar protein was first described as a potentially important regulatory protein in the dog thyroid and was termed as R2D5 antigen in rabbit. Alternative splicing of this gene generates two transcript variants.

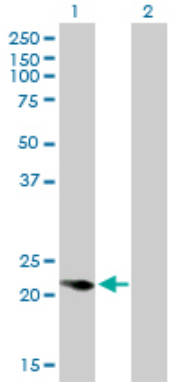
References

1.Identification of Novel Biomarkers in Pediatric Primitive Neuroectodermal Tumors and Ependymomas by Proteome-Wide Analysis.de Bont JM, den Boer ML, Kros JM, Passier MM, Reddingius RE, Smitt PA, Luider TM, Pieters R.J Neuropathol Exp Neurol. 2007 Jun;66(6):505-16.

Images

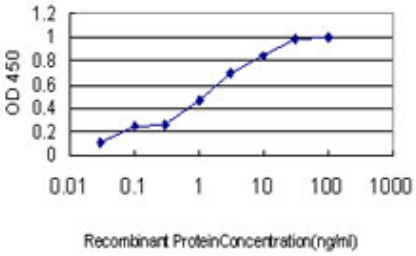


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .

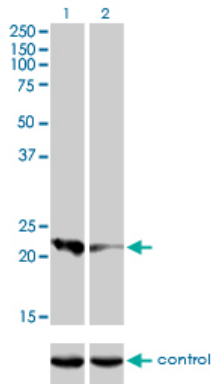


Western Blot analysis of CAPS expression in transfected 293T cell line by CAPS monoclonal antibody (M01), clone 4C6.

Lane 1: CAPS transfected lysate(21 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CAPS is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of CAPS over-expressed 293 cell line, cotransfected with CAPS Validated Chimera RNAi ((Cat # AT1392a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.