

CREB5 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant CREB5.****Catalog # AT1620a****Specification**

CREB5 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, IF, E
Primary Accession	Q02930
Other Accession	NM_001011666
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	56918

CREB5 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 9586**Other Names**

Cyclic AMP-responsive element-binding protein 5, CREB-5, cAMP-responsive element-binding protein 5, CRE-BPa, CREB5, CREBPA

Target/Specificity

CREB5 (NP_001011666, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

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

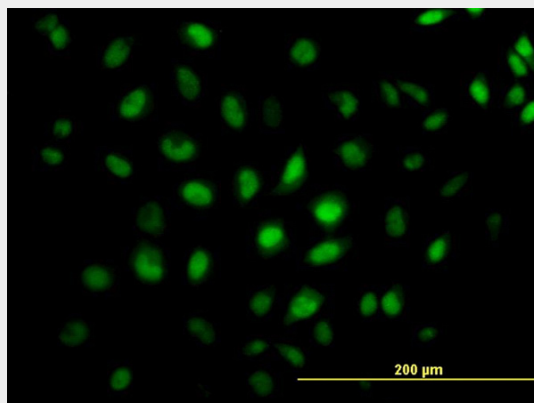
CREB5 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

CREB5 Antibody (monoclonal) (M02) - Protocols

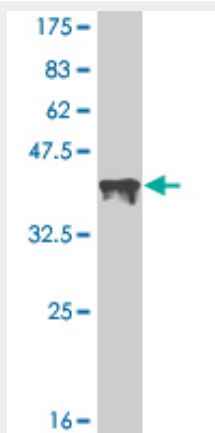
Provided below are standard protocols that you may find useful for product applications.

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

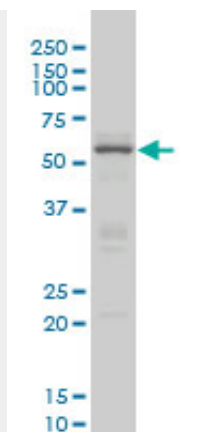
CREB5 Antibody (monoclonal) (M02) - Images



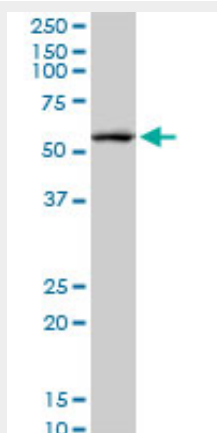
Immunofluorescence of monoclonal antibody to CREB5 on HeLa cell. [antibody concentration 10 ug/ml]



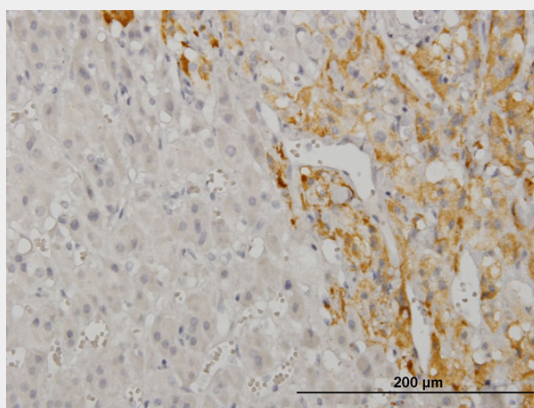
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



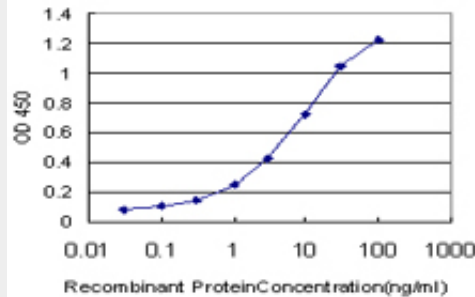
CREB5 monoclonal antibody (M02), clone 8A5 Western Blot analysis of CREB5 expression in HeLa S3 NE (Cat # AT1620a)



CREB5 monoclonal antibody (M02), clone 8A5. Western Blot analysis of CREB5 expression in Raw 264.7 (Cat # AT1620a)



Immunoperoxidase of monoclonal antibody to CREB5 on formalin-fixed paraffin-embedded human adrenal gland. [antibody concentration 1 μg/ml]



Detection limit for recombinant GST tagged CREB5 is approximately 0.1ng/ml as a capture antibody.

CREB5 Antibody (monoclonal) (M02) - Background

The product of this gene belongs to the CRE (cAMP response element)-binding protein family. Members of this family contain zinc-finger and bZIP DNA-binding domains. The encoded protein specifically binds to CRE as a homodimer or a heterodimer with c-Jun or CRE-BP1, and functions as a CRE-dependent trans-activator. Alternatively spliced transcript variants encoding different isoforms have been identified.

CREB5 Antibody (monoclonal) (M02) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Inherited genetic variant predisposes to aggressive but not indolent prostate cancer. Xu J, et al. Proc Natl Acad Sci U S A, 2010 Feb 2. PMID 20080650. Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061. Molecular genetics of adult ADHD: converging evidence from genome-wide association and extended pedigree linkage studies. Lesch KP, et al. J Neural Transm, 2008 Nov. PMID 18839057. Molecular genetics of successful smoking cessation: convergent genome-wide association study results. Uhl GR, et al. Arch Gen Psychiatry, 2008 Jun. PMID 18519826.