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CREB5 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant CREB5.
Catalog # AT1620a

Specification

CREB5 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, IHC, 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

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

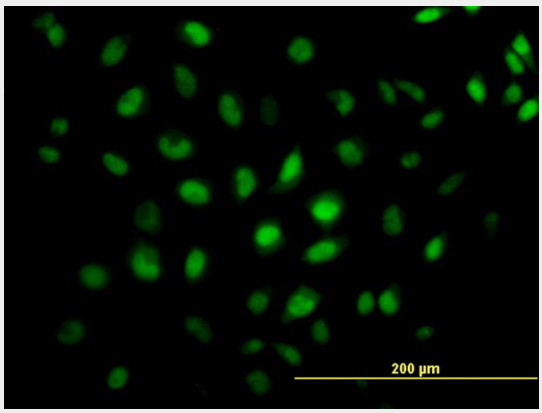
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

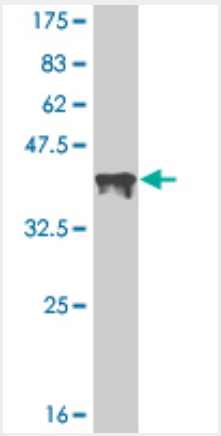
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

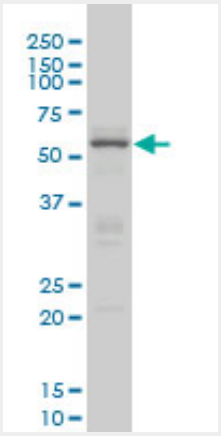
CREB5 Antibody (monoclonal) (M02) - Images



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



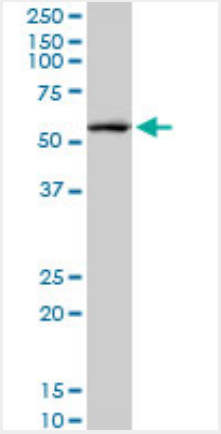
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



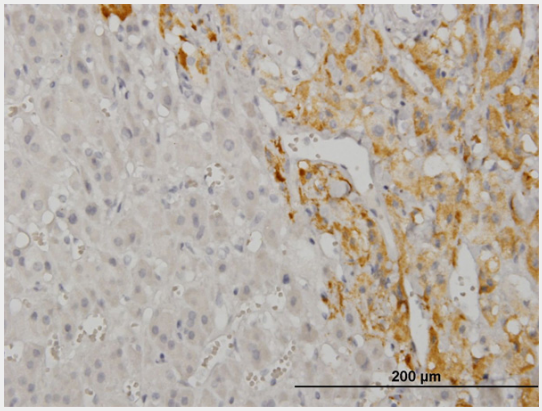
CREB5 monoclonal antibody (M02), clone 8A5 Western Blot analysis of CREB5 expression in Hela

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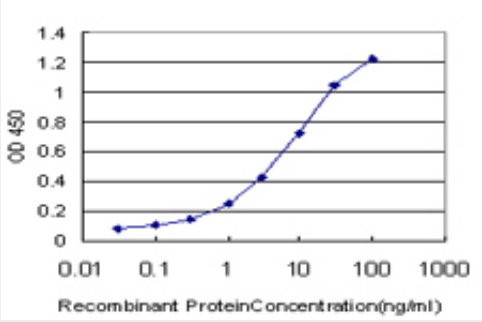
S3 NE ((Cat # AT1620a)



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 ug/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.