Datasheet for ABIN560461

anti-CREB1 antibody (AA 1-95)

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Overview

Quantity:	100 µg
Target:	CREB1
Binding Specificity:	AA 1-95
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CREB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant CREB1.
Immunogen:	CREB1 (NP_004370, 1 a.a. ~ 95 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MTMESGAENQ QSGDAAVTEA ENQQMTVQAQ PQIATLAQVS MPAAHATSSA PTVTLVQLPN GQTVQVHGVI QAAQPSVIQS PQVQTVQIST IAESE
Clone:	5F2
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	CREB1
Alternative Name:	CREB1 (CREB1 Products)
Background:	Full Gene Name: cAMP responsive element binding protein 1 Synonyms: CREB,MGC9284
Gene ID:	1385
NCBI Accession:	NM_004379
Pathways:	TLR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Activation of Innate immune Response, Myometrial Relaxation and Contraction, Regulation of Cell Size, Toll-Like Receptors Cascades, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma, Positive Regulation of fat Cell Differentiation

Application Details

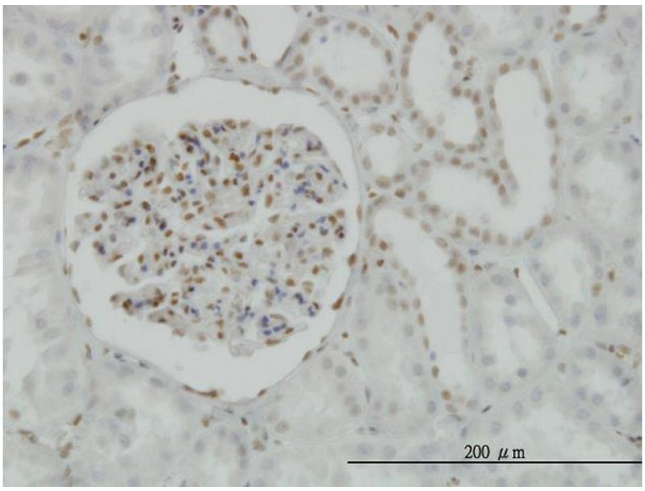
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Yu, Qiao, Tang, Ma, Wang, Zhang, Weng, Pan, Yu, Sun, Wang: "Tumor suppressor long non-coding RNA, MT1DP is negatively regulated by YAP and Runx2 to inhibit FoxA1 in liver cancer cells." in: **Cellular signalling**, Vol. 26, Issue 12, pp. 2961-8, (2014) (PubMed).



Immunostaining

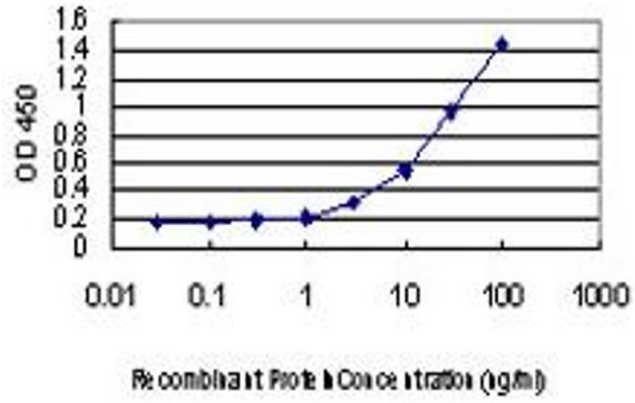
Image 1. Immunoperoxidase of monoclonal antibody to CREB1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1 ug/ml]

Western Blotting

Image 2. Western Blot analysis of CREB1 expression in transfected 293T cell line by CREB1 monoclonal antibody (M02), clone 5F2.

Lane 1: CREB1 transfected lysate(37 KDa).

Lane 2: Non-transfected lysate.



ELISA

Image 3. Detection limit for recombinant GST tagged CREB1 is approximately 1ng/ml as a capture antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN560461.