

Datasheet for ABIN1536601
anti-HMGB1 antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mL
Target:	HMGB1
Binding Specificity:	AA 152-180, C-Term
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HMGB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HMGB1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 152-180 amino acids from the C-terminal region of human HMGB1.
Clone:	393CT23-1-4
Isotype:	IgM
Predicted Reactivity:	B, Ha, Hs, Pr, Pig, Rat
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	HMGB1
Alternative Name:	HMGB1 (HMGB1 Products)

Target Details

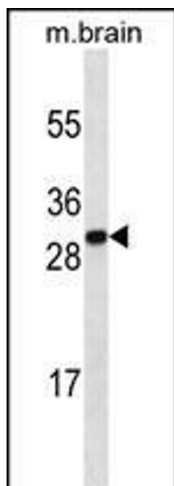
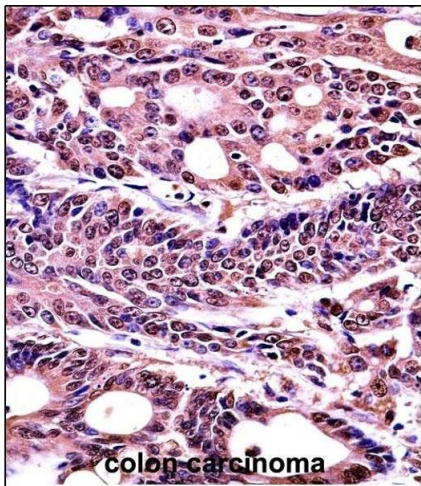
Background:	DNA binding proteins that associates with chromatin and has the ability to bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS). Heparin-binding protein that has a role in the extension of neurite-type cytoplasmic processes in developing cells (By similarity).
Molecular Weight:	24894
Gene ID:	3146
NCBI Accession:	NP_002119
UniProt:	P09429
Pathways:	p53 Signaling , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process , Toll-Like Receptors Cascades , Smooth Muscle Cell Migration , Inflammasome

Application Details

Application Notes:	WB: 1:500~1600. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	HMGB1 Antibody (C-term) (Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. HMGB1 Antibody (C-term) (Ascites) (ABIN1536601) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HMGB1 Antibody (C-term) (Ascites) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. HMGB1 Antibody (C-term) ABIN1536601 western blot analysis in mouse brain tissue lysates (35 µg/lane). This demonstrates the HMGB1 antibody detected the HMGB1 protein (arrow).