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

HMGB2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant HMGB2.
Catalog # AT2386a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P26583
Other Accession	BC000903
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D2
Calculated MW	24034

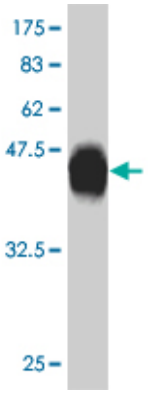
Additional Information

Gene ID	3148
Other Names	High mobility group protein B2, High mobility group protein 2, HMG-2, HMGB2, HMG2
Target/Specificity	HMGB2 (AAH00903.2, 1 a.a. ~ 195 a.a) full-length 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	HMGB2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

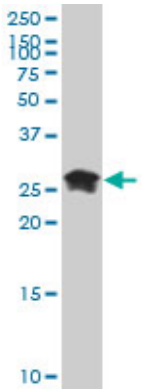
Background

This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq]

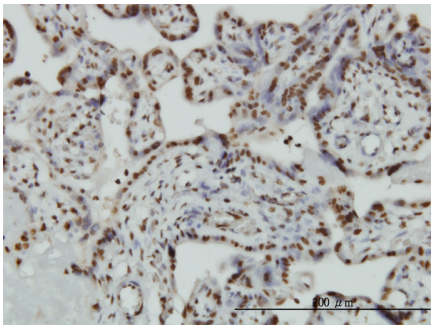
Images



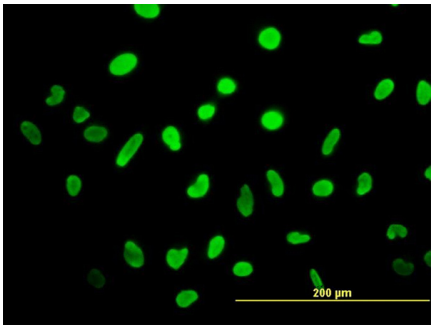
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (47.19 KDa) .



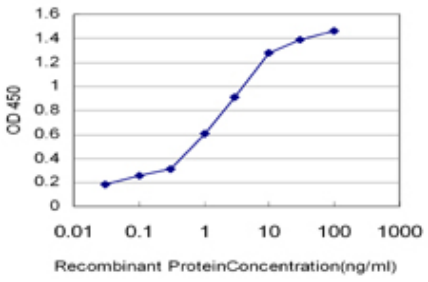
HMGB2 monoclonal antibody (M04), clone 3D2 Western Blot analysis of HMGB2 expression in Hela S3 NE ((Cat # AT2386a)



Immunoperoxidase of monoclonal antibody to HMGB2 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to HMGB2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged HMGB2 is approximately 0.03ng/ml as a capture antibody.

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