

Datasheet for ABIN7603127
anti-HMGB3 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	HMGB3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HMGB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HMG4 Antibody Picoband® (monoclonal, 8H9)
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human HMG4, identical to the related mouse and rat sequences.
Clone:	8H9
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HMG4 Antibody Picoband® (monoclonal, 8H9) (ABIN7603127). Tested in Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing

Product Details

antibodies are designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: HMGB3

Alternative Name: HMGB3 ([HMGB3 Products](#))

Background: Synonyms: "chromosomal protein, Nonhistone, HMG4 antibody|High mobility group (nonhistone chromosomal) protein 4 antibody|High mobility group box 3 antibody|High mobility group protein 2a antibody|High mobility group protein 4 antibody|High mobility group protein B3 antibody| High mobility group protein HMG4 antibody|HMG 4 antibody|HMG-2a antibody|HMG-4 antibody|HMG2A antibody|HMGB 3 antibody|HMGB3 antibody| HMGB3_HUMAN antibody|MGC90319 antibody|Non histone chromosomal protein antibody|Nonhistone chromosomal protein HMG4 antibody"

Tissue Specificity: Expressed predominantly in placenta.

Background: High-mobility group protein B, also known as HMG4, is a protein that in humans is encoded by the HMGB3 gene. This gene encodes a member of a family of proteins containing one or more high mobility group DNA-binding motifs. The encoded protein plays an important role in maintaining stem cell populations, and may be aberrantly expressed in tumor cells. A mutation in this gene was associated with microphthalmia, syndromic 13. There are numerous pseudogenes of this gene on multiple chromosomes. Alternative splicing results in multiple transcript variants.

Molecular Weight: 23 kDa

Gene ID: 3149

UniProt: [O15347](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human
1. "Entrez Gene: HMGB3 high-mobility group box 3". 2. Davis DL, Burch JB (1992). "Isolation of a chicken HMG2 cDNA clone and evidence for an HMG2-specific 3'-untranslated region.". Gene 113 (2): 251-6. 3. Vaccari T, Beltrame M, Ferrari S, Bianchi ME (Aug 1998). "Hmg4, a new member of the Hmg1/2 gene family". Genomics 49 (2): 247-52.

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg 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:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.