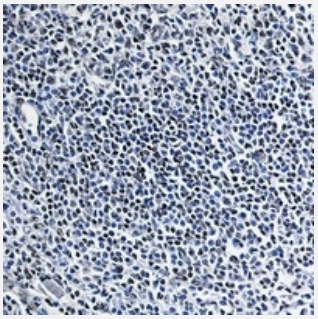
RecomAb™

HMGB1 recombinant monoclonal antibody

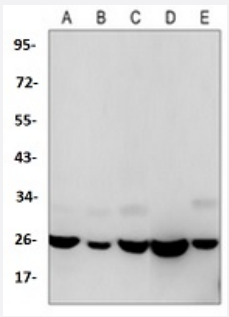
Catalog # RAB02425 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human tonsil formalin fixed paraffin embedded tissue section using HMGB1 recombinant monoclonal antibody (Cat # RAB02425). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.111). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blot

Western blot analysis of K562 (A), rat brain (B), C6 (C), NIH3T3 (D), Hela (E) whole cell lysates with HMGB1 recombinant monoclonal antibody (Cat # RAB02425).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against recombinant HMGB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human HMGB1.
Theoretical MW (kDa)	26
Reactivity	Human, Mouse, Rat

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Specificity	Recognizes endogenous levels of HMGB1 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Western Blot

  Western blot analysis of K562 (A), rat brain (B), C6 (C), NIH3T3 (D), Hela (E) whole cell lysates with HMGB1 recombinant monoclonal antibody (Cat # RAB02425).

Gene Info — HMGB1

Entrez GeneID	3146
Protein Accession#	P09429
Gene Name	HMGB1
Gene Alias	DKFZp686A04236, HMG1, HMG3, SBP-1
Gene Description	high-mobility group box 1

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Omim ID	163905
Gene Ontology	Hyperlink
Other Designations	Amphoterin|OTTHUMP00000018199|OTTHUMP00000190860|Sulfoglucuronyl carbohydrate binding protein|high mobility group box 1|high mobility group protein 1|high-mobility group (nonhistone chromosomal) protein 1

Pathway

- Base excision repair

Disease

- Bone Marrow Neoplasms
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hematologic Neoplasms
- Puerperal Disorders
- Recurrence
- Sepsis
- Streptococcal Infections
- Systemic Inflammatory Response Syndrome

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