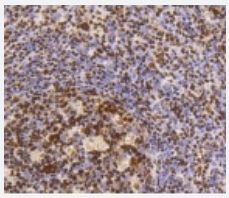
RecomAb™

HMGB1 recombinant monoclonal antibody

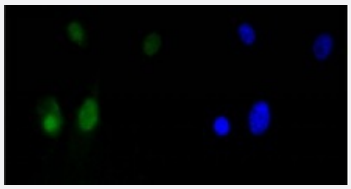
Catalog # RAB02663 Size 100 uL

Applications



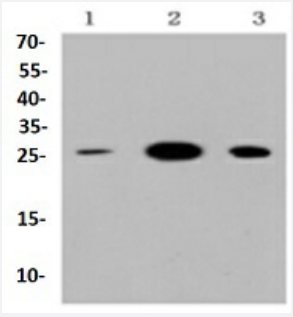
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using HMGB1 recombinant monoclonal antibody (Cat # RAB02663). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of NIH/3T3 cells using HMGB1 recombinant monoclonal antibody (Cat # RAB02663)(green). The nuclear counter stain is DAPI (blue).



Western Blot (Cell lysate)

Western blot analysis of Lane1:MCF-7 whole cell lysate Lane2:PC12 whole cell lysate Lane3:F9 whole cell lysate with HMGB1 recombinant monoclonal antibody (Cat # RAB02663) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against HMGB1.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant HMGB1.
Theoretical MW (kDa)	25
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of HMGB1 and does not cross-react with related proteins.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:10-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)
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.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human tonsil tissue using HMGB1 recombinant monoclonal antibody (Cat # RAB02663). Counter stained with hematoxylin.

- Immunofluorescence

- Immunocytochemistry

  Immunocytochemical staining of NIH/3T3 cells using HMGB1 recombinant monoclonal antibody (Cat # RAB02663)(green). The nuclear counter stain is DAPI (blue).

- Flow Cytometry

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- Western Blot (Cell lysate)

  Western blot analysis of Lane1:MCF-7 whole cell lysate Lane2:PC12 whole cell lysate Lane3:F9 whole cell lysate with HMGB1 recombinant monoclonal antibody (Cat # RAB02663) at 1:1000 dilution.

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
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

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- Streptococcal Infections
- Systemic Inflammatory Response Syndrome

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