

HMGB2 polyclonal antibody

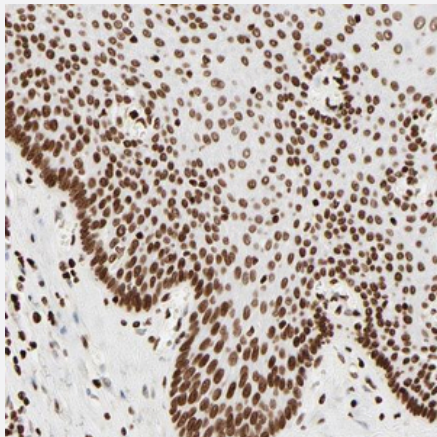
Catalog # PAB30862 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) Negative control (vector only transfected HEK293T lysate), and (2) Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human esophagus shows strong nuclear positivity in squamous epithelial cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human HMGB2.
Immunogen	Recombinant protein corresponding to human HMGB2.
Sequence	KSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSEHRPKIKSEHPG LSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKLKEKYE
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:250-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Gene Info — HMGB2

Entrez GeneID	3148
GeneBank Accession#	P26583
Gene Name	HMGB2
Gene Alias	HMG2
Gene Description	high-mobility group box 2
Omim ID	163906
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

high-mobility group (nonhistone chromosomal) protein 2

Disease

- [Azoospermia](#)
- [Infertility](#)
- [Oligospermia](#)