

Product datasheet

Mouse monoclonal [2A9] Anti-Rabbit IgG heavy chain (HRP) ab99702

★★★★★ 2 Abreviews 16 References 4 Images

Overview

Product name	Mouse monoclonal [2A9] Anti-Rabbit IgG heavy chain (HRP)
Host species	Mouse
Target species	Rabbit
Specificity	ab99702 reacts with the heavy chain of all subclasses of rabbit IgG. Minimal reactivity to human, mouse, rat, goat, bovine, horse, donkey, sheep, guinea pig and chicken serum.
Tested applications	Suitable for: ELISA, WB, IHC-P
Immunogen	Recombinant fragment corresponding to IgG. Recombinant rabbit IgG Fc fragment
Conjugation	HRP

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.40 Constituents: 50% Glycerol, PBS
Purity	Ascites
Purification notes	Purified from ascites.
Clonality	Monoclonal
Clone number	2A9
Isotype	IgG1

Applications

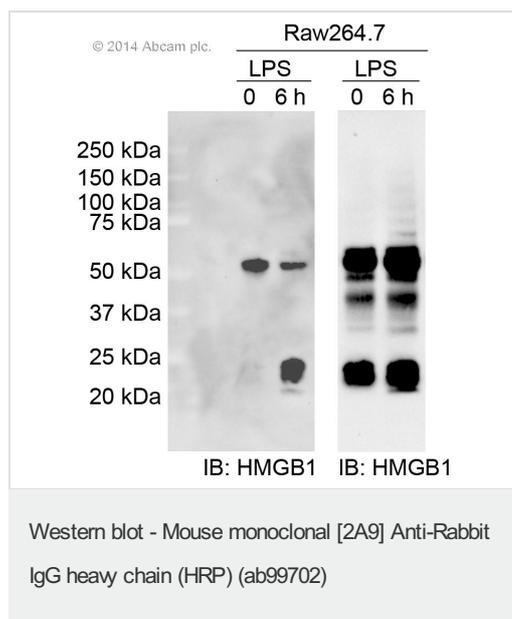
Our [Abpromise guarantee](#) covers the use of **ab99702** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/4000 - 1/8000.

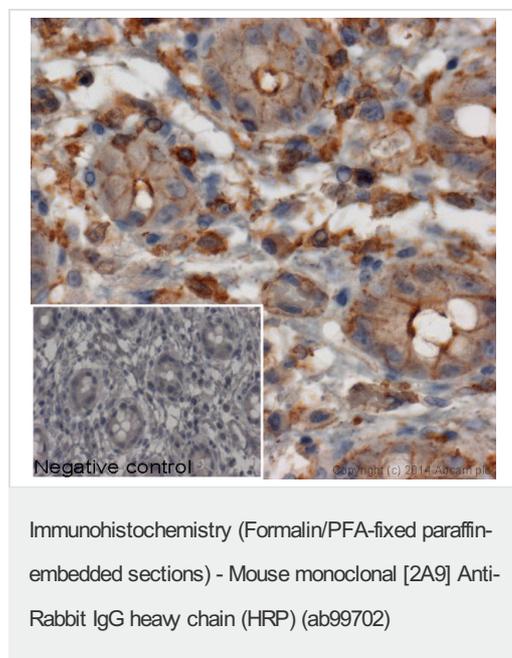
Application	Abreviews	Notes
WB	★★★★★	Use at an assay dependent concentration.
IHC-P		1/8000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Images



A rabbit polyclonal iNOS to immunoprecipitate HMGB1 and detect the association by immunoblotting of HMGB1 ([ab18265](#)). Due to the size of HMGB1, the IgG light chain masked the HMGB1 signal in iNOS immunoprecipitated samples. To avoid the effects from IgG light chain, Mouse monoclonal 2A9 Anti-Rabbit IgG heavy chain (HRP) ([ab99702](#)) is chosen to replace the goat anti-rabbit IgG (H&L) HRP-conjugated secondary antibody used.

As indicated in the image, Mouse monoclonal 2A9 Anti-Rabbit IgG heavy chain (HRP) ([ab99702](#)) is shown in the left panel while the goat anti-rabbit IgG (H&L) HRP-conjugated secondary antibody (other source) is shown in the right panel.

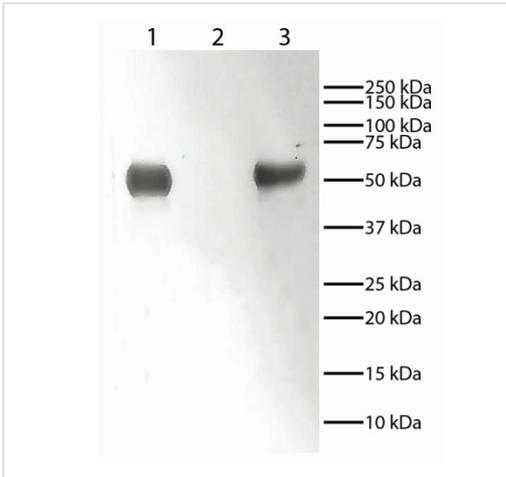


IHC image of beta actin staining in human colon formalin fixed paraffin embedded tissue section*.

The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH 6) for 30 mins. The section was incubated with [ab8227](#), 3 µg/ml overnight at +4°C. An HRP-conjugated secondary ([ab99702](#), 1/8000 dilution) was used for 1hr at room temperature. The section was counterstained with hematoxylin and mounted with DPX.

The inset **negative control** image is secondary only at 1/4000 dilution.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

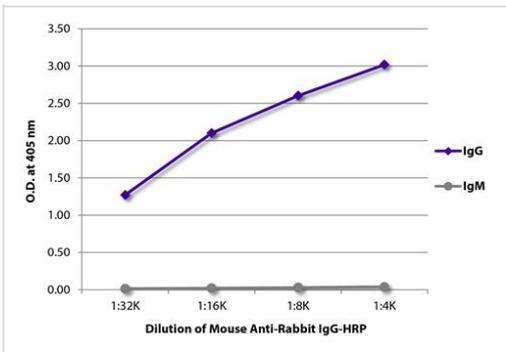


Western blot - Mouse monoclonal [2A9] Anti-Rabbit IgG heavy chain (HRP) (ab99702)

Lane 1: Rabbit IgG.

Lane 2: Rabbit IgG light chains.

Lane 3: Rabbit IgG heavy chains.



ELISA - Mouse monoclonal [2A9] Anti-Rabbit IgG heavy chain (HRP) (ab99702)

ELISA plate was coated with purified rabbit IgG and IgM.

Immunoglobulins were detected with serially diluted ab99702.

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