

Datasheet for ABIN7442177
anti-HMGB1 antibody (AA 9-163)

6 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | HMGB1 |
| Binding Specificity: | AA 9-163 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HMGB1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

Product Details

| | |
|-------------------|--|
| Purpose: | Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1) |
| Immunogen: | Recombinant High Mobility Group Protein 1 (HMGB1) corresponding to Pro9~Arg163 (Accession # P09429) |
| Isotype: | IgG |
| Specificity: | The antibody is a rabbit polyclonal antibody raised against HMGB1. It has been selected for its ability to recognize HMGB1 in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Mouse, Rat |
| Purification: | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |

Target Details

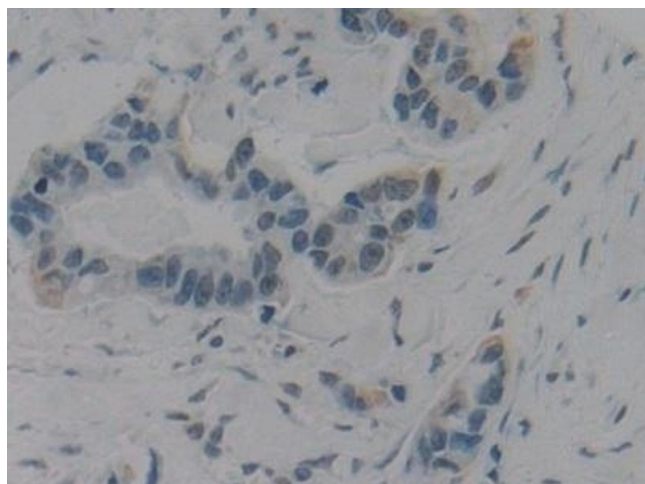
| | |
|-------------------|---|
| Target: | HMGB1 |
| Alternative Name: | High Mobility Group Protein 1 (HMGB1 Products) |
| Background: | HMG1, HMG3, SBP1, Sulfoglucuronyl Carbohydrate Binding Protein, Amphoterin, High Mobility Group Box 1 Protein |
| Pathways: | p53 Signaling , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process , Toll-Like Receptors Cascades , Smooth Muscle Cell Migration , Inflammasome |

Application Details

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|--------------------|---|
| Application Notes: | Western blotting: 0.5-2 µg/mL Immunocytochemistry in formalin fixed cells: 5-20 µg/mL Immunohistochemistry in formalin fixed frozen section: 5-20 µg/mL Immunohistochemistry in paraffin section: 5-20 µg/mL Enzyme-linked Immunosorbent Assay: 0.05-2 µg/mL Optimal working dilutions must be determined by end user. |
| Comment: | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions: | For Research Use only |

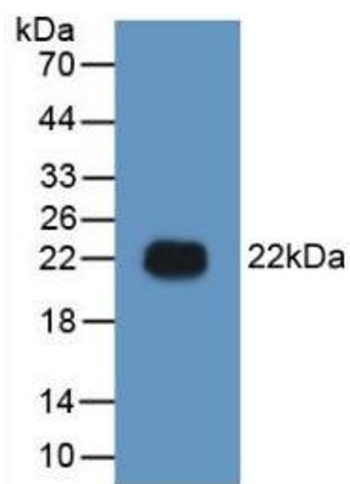
Handling

| | |
|--------------------|---|
| Format: | Liquid |
| Buffer: | 0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 24 months |



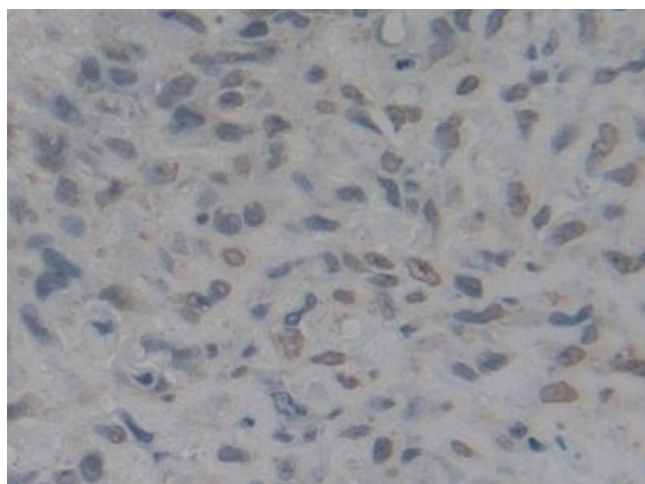
Immunohistochemistry

Image 1. Detection of HMGB1 in Human Breast cancer Tissue using Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)



Western Blotting

Image 2. Detection of Recombinant HMGB1, Human using Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)



Immunohistochemistry

Image 3. Detection of HMGB1 in Human Lung cancer Tissue using Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7442177.