## Basic Information

## Observed MW

225 kDa

## Calculated MW

192kDa

## Category

Primary antibody

## Applications

ELISA,WB,IHC-P
Cross-Reactivity
Human

## Recommended Dilutions

| WB | $1: 500-1: 2000$ |
| :--- | ---: |
| IHC-P | $1: 50-1: 200$ |

## Background

Predicted to enable chromatin DNA binding activity; histone H3-methyl-lysine-9 demethylase activity; and transcription coregulator activity. Predicted to be involved in histone H3-K9 demethylation and regulation of transcription by RNA polymerase II. Located in nucleoplasm. Biomarker of acute lymphoblastic leukemia; breast cancer; colorectal cancer; and lung nonsmall cell carcinoma.

## Immunogen Information

| Gene ID | Swiss Prot |
| :--- | :--- |
| 51780 | Q7LBC6 |

## Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 400-600 of human KDM3B (NP_057688.2).

## Synonyms

5qNCA; DIJOS; NET22; C5orf7; JMJD1B; KDM3B

## Contact

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## Product Information

| Source | Isotype | Purification |
| :--- | :--- | :--- |
| Rabbit | IgG | Affinity purification |

## Storage

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.
Buffer: PBS with $0.01 \%$ thimerosal,50\% glycerol,pH7.3.


Western blot analysis of Hela, using KDM3B Rabbit pAb (A2312) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit $\lg (\mathrm{H}+\mathrm{L})(\mathrm{ASO14})$ at 1:10000 dilution. Lysates/proteins: 25ug per lane.
Blocking buffer: 3\% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

Immunohistochemistry analysis of paraffinembedded human esophageal cancer using KDM3B Rabbit pAb (A2312) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

