

MYSM1 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP05743

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human MYSM1. AA range:520-569

Mol wt 95032

Species reactivity Human

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name MYSM1 Antibody

Synonyms MYSM1; KIAA1915; Histone H2A deubiquitinase MYSM1; 2A-DUB; Myb-like; SWIRM and MPN

domain-containing protein 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

MYSM1 (Myb Like, SWIRM And MPN Domains 1) is a Protein Coding gene. Metalloprotease that specifically deubiquitinates monoubiquitinated histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Preferentially deubiquitinates monoubiquitinated H2A in hyperacetylated nucleosomes. Deubiquitination of histone H2A leads to facilitate the phosphorylation and dissociation of histone H1 from the nucleosome. Acts as a coactivator by participating in the initiation and elongation steps of androgen receptor (AR)-induced gene activation. Diseases associated with MYSM1 include hemorrhagic cystitis. Gene Ontology (GO) annotations related to this gene include chromatin binding and protein complex binding. An important paralog of this gene is MPND.

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

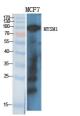
Images



Western blot analysis of Hela lysis using MYSM1 antibody. Antibody was diluted at 1:2000 cells nucleus.



Western Blot analysis of MCF7 cells using MYSM1 Polyclonal Antibody diluted at 1:2000 cells nucleus.



Western Blot analysis of various cells using MYSM1 Polyclonal Antibody diluted at 1:2000 cells nucleus.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MYSM1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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