

Anti-Polycomb Protein SUZ12 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

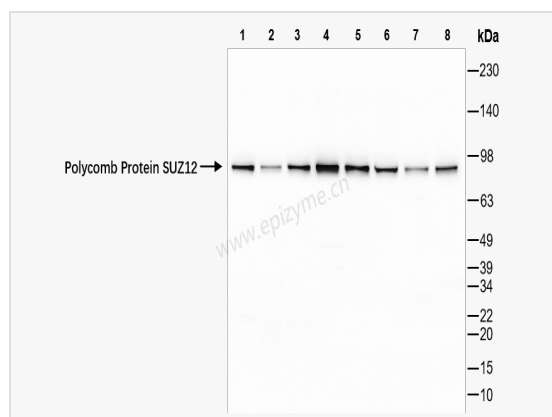
Catalog # R012486

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	25K29M31
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SUZ12
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Polycomb Protein SUZ12 Rabbit mAb [25K29M31] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CHET9; JJAZ1; KIAA0160; SUZ12; Polycomb protein SUZ12; Chromatin precipitated E2F target 9 protein; Joined to JAZF1 protein; Suppressor of zeste 12 protein homolog; ChET 9 protein.
Calculated MW	Calculated MW: 83 kDa; Observed MW: 83 kDa
Uniprot ID	Q15022
Gene ID	23512
Background	This zinc finger gene has been identified at the breakpoints of a recurrent chromosomal translocation reported in endometrial stromal sarcoma. Recombination of these breakpoints results in the fusion of this gene and JAZF1. The protein encoded by this gene contains a zinc finger domain in the C terminus of the coding region. [provided by RefSeq, Jul 2009]
Cellular Location	Nucleus. Localizes to chromatin as part of the PRC2 complex.
Tissue Location	Overexpressed in breast and colon cancer.



Western Blot - Anti-Polycomb Protein SUZ12 Rabbit mAb [25K29M31]

All lanes: R012486 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cell) whole cell lysates

Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

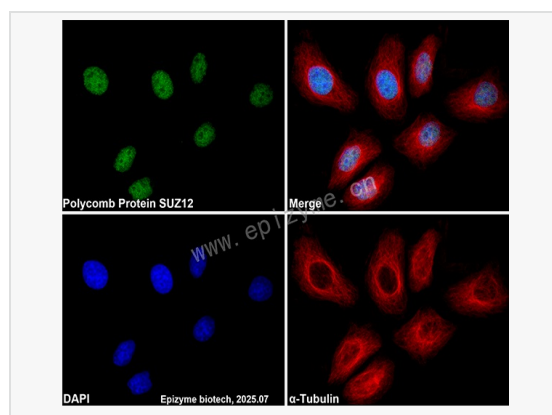
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 83 kDa

Observed band size: 83 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Polycomb Protein SUZ12 Rabbit mAb [25K29M31]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R012486 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).