

Anti-SUZ12 Antibody (1Q624)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1Q624
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, HL60 whole cell lysate, THP-1 whole cell lysate, K562 whole cell lysate-All lanes: SUZ12 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 84 kDa-Observed band size: 90 kDa <p>2. IHC image of TMAH-01151 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p> <p>3. Immunoprecipitating SUZ12 in K562 whole cell lysate</p> <ul style="list-style-type: none">-Lane 1: Rabbit control IgG instead of TMAH-01151 in K562 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)-Lane 2: TMAH-01151(2µg)+ K562 whole cell lysate(500µg)-Lane 3: K562 whole cell lysate (10µg)
Application:	ELISA,IHC,IP,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200; IP:1:200-1:1000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human SUZ12
Antigen Species:	Human
Gene ID:	23512
Uniprot ID:	Q15022
Synonyms:	Suppressor of zeste 12 protein homolog;Joined to JAZF1 protein;CHET9;KIAA0160;ChET 9 protein;JAZ1;Polycomb protein SUZ12;Chromatin precipitated E2F target 9 protein
Biology Area:	Epigenetics and Nuclear Signaling

Research Background

Polycomb group (PCG) protein. Component of the PRC2 complex, which methylates 'Lys-9' (H3K9me) and 'Lys-27' (H3K27me) of histone H3, leading to transcriptional repression of the affected target gene. The PRC2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems. Genes repressed by the PRC2 complex include HOXC8, HOXA9, MYT1 and CDKN2A.

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