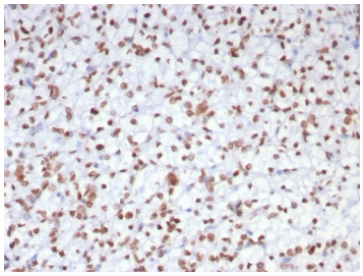
EZH2 Antibody / Enhancer of zeste homolog 2 [clone EZH2/7507] (V5234)

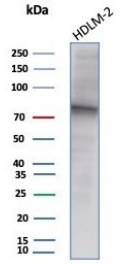
Catalog No.	Formulation	Size
V5234-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5234-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5234SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

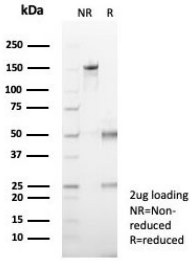
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	EZH2/7507
Purity	Protein A/G affinity
UniProt	Q15910
Localization	Nucleus
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This EZH2 antibody is available for research use only.



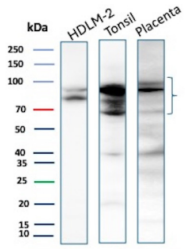
EZH2 Antibody Renal Cell Carcinoma RCC IHC. Immunohistochemistry staining of FFPE human renal cell carcinoma tissue with EZH2 antibody (clone EZH2/7507). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



EZH2 Antibody HDLM-2 Cell WB. Western blot testing of human HDLM-2 cell lysate with EZH2 antibody (clone EZH2/7507). Predicted molecular weight: 85-95 kDa.



SDS-PAGE analysis of purified, BSA-free EZH2 antibody (clone EZH2/7507) as confirmation of integrity and purity.



EZH2 Antibody Tissue and Cell Line WB. Western blot analysis of HDLM-2, human tonsil, and human placenta lysates using EZH2 / KMT6 recombinant mouse monoclonal antibody detects prominent bands within the approximately 70-100 kDa range, consistent with reported EZH2 expression and the commonly observed heterogeneous migration pattern of this chromatin-associated histone methyltransferase. Multiple closely migrating bands and broad signal distribution may reflect post-translational modification, including phosphorylation, as well as heterogeneous chromatin-associated forms of EZH2; detection was performed with clone EZH2/7507.

Description

EZH2 Antibody detects Enhancer of zeste homolog 2, a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively splcied transcript variants encoding distinct isoforms have been identified for this gene.

For comprehensive detection of EZH2 in epigenetic regulation and PRC2 complex studies, see our EZH2 antibody (clone EZH2/2536).

Application Notes

Optimal dilution of the EZH2 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 300-550) from the human protein was used as the immunogen for the EZH2 antibody.

Storage

Aliquot the EZH2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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