
EZH2 (Clone SP129) Rabbit Monoclonal Antibody

Specificity: Human

Immunogen: Synthetic peptide corresponding to the C-terminus of human EZH2 protein

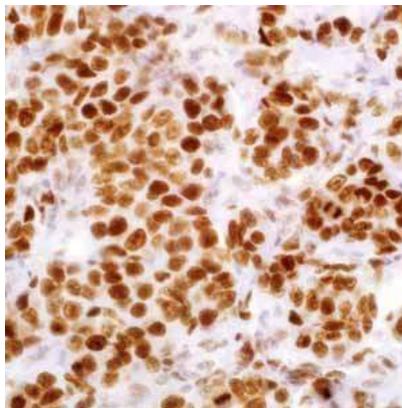
Ig Class: Rabbit IgG

Storage: Store vial at 4° C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50; *Positive Control:* Breast carcinoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: Enhancer of zeste homolog 2 (EZH2) is the catalytic subunit of polycomb repressive complex 2 (PRC2). It generates a methylation epigenetic mark at lysine 27 residue of histone H3 (H3K27me3) in order to silence gene expression. EZH2 target genes are involved in a variety of biological processes such as stem cell pluripotency, cell proliferation, and oncogenic transformation. EZH2 is frequently overexpressed in many cancer types. Hyperactivation of EZH2, either by overexpression or mutations, is found in a variety of malignancies including prostate, breast, uterine, gastric, and renal cell cancers in addition to melanoma. The EZH2 protein is rarely detected in normal breast duct epithelium and in normal and hyperplastic lymph node. EZH2 is usually expressed in follicular centers, but not in mantle zones, follicular and interfollicular T cells, plasma cells or NK/T cells. However, its expression can be seen in most B-cell and T-cell lymphomas, although only in 20% of small lymphocytic lymphoma and 14% of plasma cell myeloma. Plasmacytoma, lymphoplasmacytic lymphoma, and MALT lymphoma have not been shown to express this protein.

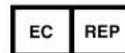
Supplied As: Purified antibody fraction from rabbit anti-serum with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human breast ductal carcinoma stained with anti-EZH2 antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of carcinoma cells

Cat. #Z2323 (1.0 ml)

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