

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse EZH2 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human EZH2 Gly512-Ile645 Accession # Q15910
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

EZH2 (Enhancer of zeste homolog 2; also ENX-1 and Lys N-methyltransferase 6) is an 80 kDa member of the EZ family of chromatin-dependent gene regulators. It is a nuclear protein that represses gene transcription through histone methylation. Human EZH2 is 746 amino acids (aa) in length. It contains an NLS (aa 490-495), a Cys-rich region, and a methyltransferase SET (Suppressor/Enhancer/Trithorax) domain (aa 606-729). There are four potential splice variants. One shows a premature truncation after Cys286, a second shows a 6 aa substitution for aa 329-746, a third shows a deletion of aa 83-121, and the fourth exhibits a 5 aa insertion after His297. Over aa 512-645, human, mouse and canine EZH2 are identical in amino acid sequence.

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