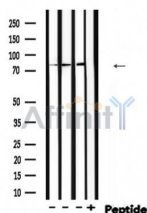


Phospho-EZH2 (Thr367) Ab

[Images\(2\)](#)

Cat.#: AF8606	Concn.: ~1mg/ml	Mol.Wt.: 85kD, 100kD
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:1000-3000 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human, Mouse, Rat	
Storage:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.	
Immunogen:	A synthesized peptide derived from human EZH2 around the phosphorylation site of T367.	
Uniprot:	Q15910	
Description:	Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' (H3K9me) and 'Lys-27' (H3K27me) of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. Displays a preference for substrates with less methylation, loses activity when progressively more methyl groups are incorporated into H3K27, H3K27me0 > H3K27me1 > H3K27me2 (PubMed:22323599). Compared to EZH1-containing complexes, it is more abundant in embryonic stem cells and plays a major role in forming H3K27me3, which is required for embryonic stem cell identity and proper differentiation.	



Western blot analysis of extracts from various samples, using Phospho-EZH2(Thr367) Ab.

Lane 1: Rat brain lysates;

Lane 2: Mouse brain lysates;

Lane 3: Rat muscle lysates;

Lane 4: Rat muscle lysates treated with blocking peptide;

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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