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#87620**ALKBH3 (E6S4R) Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 35	Source/Isotype: Rabbit IgG	UniProt ID: #Q96Q83	Entrez-Gene Id: 221120
Product Usage Information		Application Western Blotting		Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		ALKBH3 (E6S4R) Rabbit mAb recognizes endogenous levels of total ALKBH3 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val10 of human ALKBH3 protein.				
Background		ALKBH3, also known as Prostate Cancer Antigen-1 (PCA-1), is a DNA and RNA demethylase involved in the repair of alkylated DNA. The protein is overexpressed in prostate cancer and has been linked to other cancer types, including non-small cell lung cancer, renal cell carcinoma, and pancreatic carcinoma (1-3). ALKBH3/PCA-1 is also a potential therapeutic target in prostate cancer (4).				
Background References		1. Hotta, K. et al. (2015) <i>Oncol Rep</i> 34, 648-54. 2. Yamato, I. et al. (2012) <i>Cancer Res</i> 72, 4829-39. 3. Konishi, N. et al. (2005) <i>Clin Cancer Res</i> 11, 5090-7. 4. Nakao, S. et al. (2014) <i>Bioorg Med Chem Lett</i> 24, 1071-4.				

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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