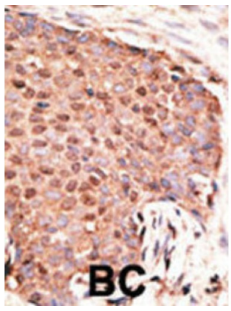
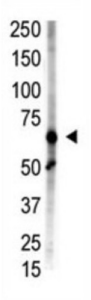
Retinoic Acid-Induced Protein 17 (RAI17) Antibody

Catalogue No.:abx032745





Retinoic acid plays a critical role in development, cellular growth, and differentiation and induces the expression of a variety of genes. RAI17 expression is induced by retinoic acid and is predominantly expressed in heart, brain and ovaries. Within brain, highest expression is in amygdala. The deduced 1, 067-amino acid protein contains an MSX-interacting zinc finger (MIZ) domain, a nuclear localization signal sequence, and 2 proline-rich regions. A strong intrinsic transactivation domain is identified in the C-terminal proline-rich region. RAI17 expression is detected in various cancer cell lines. RAI17 colocalizes with endogenous androgen receptor (AR) in the nuclei of prostate epithelial cells from human tissue samples. In human prostate cancer cells, RAI17 increases the transcriptional activity of AR. Studies using sumoylation-deficient AR mutants suggest that the increase of AR activity by RAI17 is dependent upon receptor sumoylation.

Target:	Retinoic Acid-Induced Protein 17 (RAI17)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/2000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 1038-1067 amino acids from the C-terminal region of human RAI17.

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Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9ULJ6 (UniProt, ExPASy)
NCBI Accession:	NP_065071.1
String:	9606.ENSP00000334474
Molecular Weight:	Calculated MW: 115 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse ZMIZ1.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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