

Rabbit REA Polyclonal Antibody | anti-PHB2 antibody

Anti-REA antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45475	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

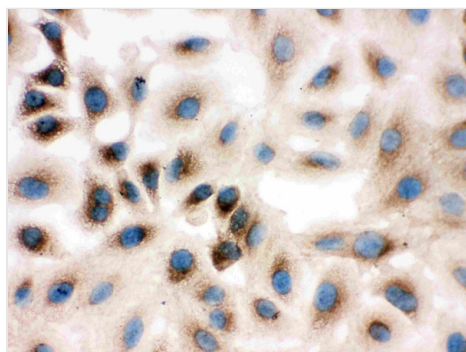
PRODUCT SYNONYMS

REA; Polyclonal Antibody; Anti-REA antibody; Prohibitin-2; prohibitin 2; B cell receptor associated protein BAP37 antibody; B-cell associated protein antibody; B-cell receptor-associated protein BAP37 antibody; Bap 37 antibody; BAP antibody; Bap37 antibody; BCAP 37 antibody; BCAP37 antibody; D prohibitin antibody; D-prohibitin antibody; MGC117268 antibody; p22 antibody; PHB 2 antibody; PHB2 antibody; PHB2_HUMAN antibody; PNAS 141 antibody; PNAS141 antibody; Prohibitin 2 antibody; Prohibitin-2 antibody; Prohibitin2 antibody; Repressor of Estrogen Receptor Activity antibody; anti-PHB2 antibody

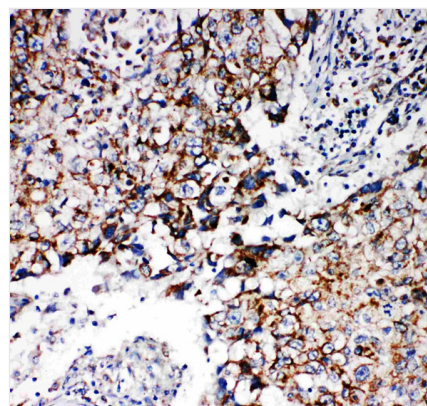
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	299
Applicable Applications for anti-PHB2 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human REA (111-128aa RPNAQELPSMYQRLGLDY), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

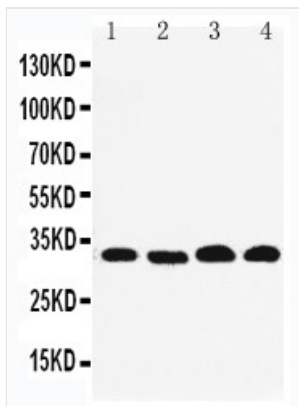
IMAGES



ICC (Immunocytochemistry)
Anti-REA antibody, AAA45475, ICCICC: A549 Cell



IHC (Immunohistochemistry)
Anti-REA antibody, AAA45475, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti-REA antibody, AAA45475, Western blotting
 Lane 1: PANC Cell Lysate
 Lane 2: COLO320 Cell Lysate
 Lane 3: U87Cell Lysate
 Lane 4: HEPA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PHB2 antibody	Description: Rabbit IgG polyclonal antibody for Prohibitin-2(PHB2) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat. Background: PHB2(Prohibitin 2), also called Repressor of Estrogen Receptor Activity(REA), is a protein that in humans is encoded by the PHB2 gene. The International Radiation Hybrid Mapping Consortium mapped the PHB2 gene to chromosome 12. Montano et al.(1999) showed that REA enhanced the potency of a dominant-negative ER-alpha mutant and antiestrogens as suppressors of ER-alpha activity in Chinese hamster ovary cells. When coexpressed with wildtype ER-alpha or ER-beta(ESR2), REA suppressed activation of a reporter gene in a dose-dependent manner. REA had no effect on reporter activity in the absence of liganded ER, and it had no effect on the transcriptional activities of other hormone receptors. Mutation analysis showed that an N-terminal domain and a central domain of REA were required for its repressor activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74752151
NCBI GeneID	11331
UniProt Accession #	Q99623; Q2YDA4; Q7KYU3; Q92978; B4DP75
Molecular Weight	29,044 Da
NCBI Official Full Name	Prohibitin-2
NCBI Official Synonym Full Names	prohibitin 2
NCBI Official Symbol	PHB2
NCBI Official Synonym Symbols	BAP; REA; p22; Bap37; BCAP37; PNAS-141
NCBI Protein Information	prohibitin-2; D-prohibitin; B-cell associated protein; repressor of estrogen receptor activity; B-cell receptor-associated protein BAP37; PHB2 {ECO:0000312 EMBL:AAH14766.1, ECO:0000312 HGNC:HGNC:30306}
UniProt Protein Name	Prohibitin-2
UniProt Gene Name	PHB2
UniProt Entry Name	PHB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.