10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BCMP11 Rabbit pAb

Catalog # AP99433

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8TD06
Other Accession	Q8TD06
Predicted	Rat, Human, Mouse, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19171
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BCMP11/AGR3
Epitope Specificity	65-160/166
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the AGR family.
SUBUNIT	nteracts with LYPD3 and DAG1 (alphaDAG1).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	AGR3 is a secreted extracellular protein. It is a member of the anterior gradient homolog family. AGR3 shares a high degree of sequence homology with AGR2, the human ortholog of XAG-2 (the secreted Xenopus laevis Anterior Gradient protein). AGR3 interacts with lypd3 and ?dystroglycan. AGR3 is highly prevalent in breast cancers and may serve as a potential therapeutic marker.

Additional Information

Gene ID	155465
Other Names	AG-3; AG3; BCMP11; HAG3; PDIA18; hAG-3; AGR3_HUMAN; AGR3; Anterior gradient 3 homolog; Breast cancer membrane protein 11; Protein disulfide isomerase family A, member 18; anterior gradient 3, protein disulphide isomerase family member; anterior gradient 3 homolog (Xenopus laevis)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	AGR3
Synonyms	BCMP11, PDIA18
Function	Required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. Might be involved in the regulation of intracellular calcium in tracheal epithelial cells.
Cellular Location	Endoplasmic reticulum. Note=Found in the cytoplasm, which could include the endoplasmic reticulum
Tissue Location	Expressed in the lung, in the ciliated cells of the airway epithelium (PubMed:25751668). Expression increased with differentiation of airway epithelial cells (PubMed:25751668). Not detected in the mucous cells (PubMed:25751668). Expressed in ciliated cells in the oviduct (PubMed:26170690). Also detected in stomach, colon, prostate and liver (PubMed:25751668). Expressed in breast, ovary, prostate and liver cancer (PubMed:26170690). Expression is associated with the level of differentiation of breast cancer (at protein level) (PubMed:26170690).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.