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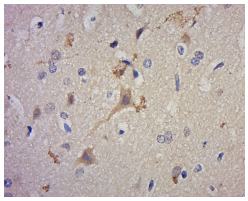
PRR11 Rabbit pAb

Catalog Number:	bs-6237R
Target Protein:	PRR11
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Mouse (predicted:Human, Rat, Pig, Sheep, Cow, Horse)
Predicted MW:	40 kDa
Subcellular Locations:	Cytoplasm
Entrez Gene:	55771
Swiss Prot:	Q96HE9
Source:	KLH conjugated synthetic peptide derived from human PRR11: 201-300/360.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	PRR11 (proline rich 11) is a 360 amino acid protein that is encoded by a gene located on human chromosome 17. Human chromosome 17 comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Proline rich protein 11) Polyclonal Antibody, Unconjugated (bs-6237R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.3] YaXuan Wang. et al. Common immunological and prognostic features of lung and bladder cancer via smoking-related genes: PRR11 gene as potential immunotherapeutic target. J CELL MOL MED. 2024 May;28(10):e18384 IHC ; Human . 38760964

[IF=3.7] Jian Wen. et al. Prognostic value of PRR11 and immune cell infiltration in Ewing sarcoma. PLOS ONE. 2024 Mar;19(3):e0299720 IHC ; Human . 38427643