

For Research Use Only

PYGO2 Polyclonal antibody

Catalog Number: 11555-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

11555-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2111

GenBank Accession Number:

BC032099

GeneID (NCBI):

90780

UNIPROT ID:

Q9BRQ0

Full Name:

pygopus homolog 2 (Drosophila)

Calculated MW:

406 aa, 41 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : MDA-MB-453s cells, C6 cells, HeLa cells

IHC : human lung cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PYGO2, also named as Pygopus homolog 2, is a 406 amino acid protein, which contains 1 PHD-type zinc finger. PYGO2 is involved in signal transduction through the Wnt pathway and binds to BCL9 via the PHD-type zinc finger motif, and thereby becomes part of the nuclear beta-catenin/TCF complex. PYGO2 is in a high proportion of breast and epithelial ovarian malignant tumors and is required for the growth of several cell lines derived from these carcinomas.

Notable Publications

Author	Pubmed ID	Journal	Application
Dongdong Zhang	33854595	J Cancer	WB, IHC
Hongyang Wang	37349336	Nat Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

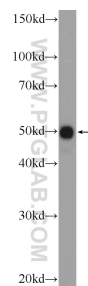
T: 4006900926

E: Proteintech-CN@ptglab.com

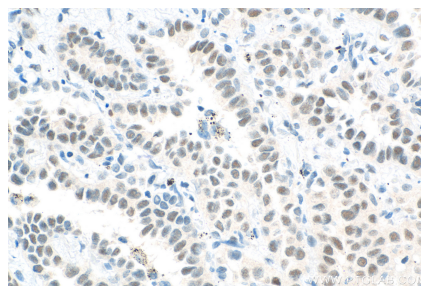
W: ptgcn.com

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Selected Validation Data



MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 11555-1-AP (PYGO2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11555-1-AP (PYGO2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).