Pygopus 2 Antibody

Catalog No: #48229

Package Size: #48229-1 50ul #48229-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

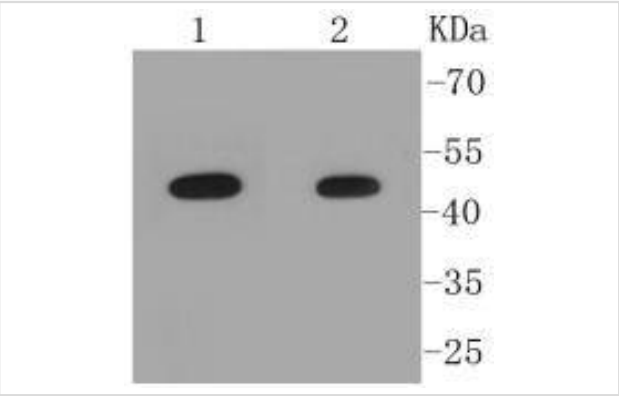
Description

Product Name	Pygopus 2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, FC
Species Reactivity	Hu, Ms
Immunogen Description	peptide
Other Names	1190004M21Rik antibody FLJ33226 antibody PP7910 antibody PYGO2 antibody Pygo2 protein antibody PYGO2_HUMAN antibody Pygopus 2 antibody pygopus homolog 2 (Drosophila) antibody Pygopus homolog 2 antibody
Accession No.	Swiss-Prot#:Q9BRQ0
Uniprot	Q9BRQ0
GeneID	90780;
Calculated MW	41kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

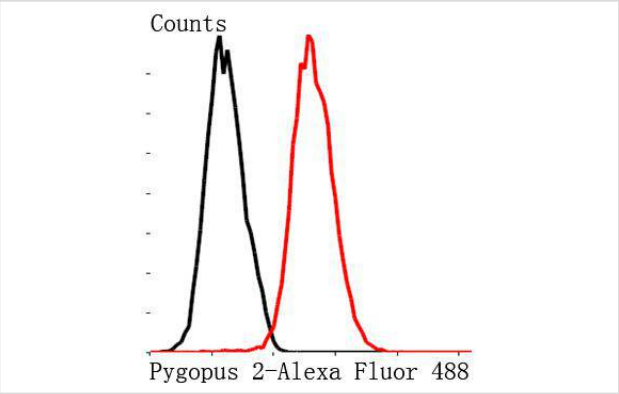
Application Details

WB: 1:1,000FC: 1:50-1:100

Images



Western blot analysis on NCCIT(1) and Hela(2) cell lysates using anti-Pygopus 2 rabbit polyclonal antibody.



Flow cytometric analysis of MCF-7 cells with Pygopus 2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated Goat anti rabbit IgG was used as the secondary antibody.

Background

Pygopus 2, also known as PYGO2, is a 406 amino acid protein that is the human homolog of the Drosophila pygopus protein. Localized to the nucleus, Pygopus 2 contains one PHD finger that interacts with the homology domain of the Wnt signaling protein Bcl-9. This interaction joins Pygopus 2 with the -catenin/TCF complex (a crucial complex in Wnt signaling), thereby allowing -catenin to transcriptionally activate Wnt target genes. Association of Pygopus 2 with proteins involved in the Wnt signaling pathway is thought to regulate proper signal transduction, as absence of the Pygopus 2/-catenin interaction may play a role in development of B-cell malignancies. In addition, Pygopus 2 expression is upregulated in and required for the growth of breast cancer cells, suggesting a crucial role in carcinogenesis.

References

Note: This product is for in vitro research use only