

Product datasheet

Anti-Flightless I antibody - C-terminal ab228616

4 Images

Overview

Product name	Anti-Flightless I antibody - C-terminal
Description	Rabbit polyclonal to Flightless I - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human Flightless I (C terminal). The exact sequence is proprietary. Database link: Q13045
Positive control	WB: Raji whole cell lysate; Mouse brain lysate; Rat muscle lysate. ICC/IF: Raji cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab228616** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 145 kDa.
ICC/IF		1/100 - 1/1000.

Target

Function

May play a role as coactivator in transcriptional activation by hormone-activated nuclear receptors (NR) and acts in cooperation with NCOA2 and CARM1. Involved in estrogen hormone signaling. Involved in early embryonic development (By similarity). May play a role in regulation of cytoskeletal rearrangements involved in cytokinesis and cell migration.

Tissue specificity

Strongest expression in skeletal muscle with high expression also in the heart and lung.

Involvement in disease

Deletion of the FLII gene may be a cause of Smith-Magenis syndrome (SMS) [MIM:182290]. It is a contiguous gene deletion syndrome involving developmental abnormalities and mental retardation. The spectrum of clinical findings includes short stature, brachydactyly, developmental delay, dysmorphic features, sleep disturbances, and behavioral problems.

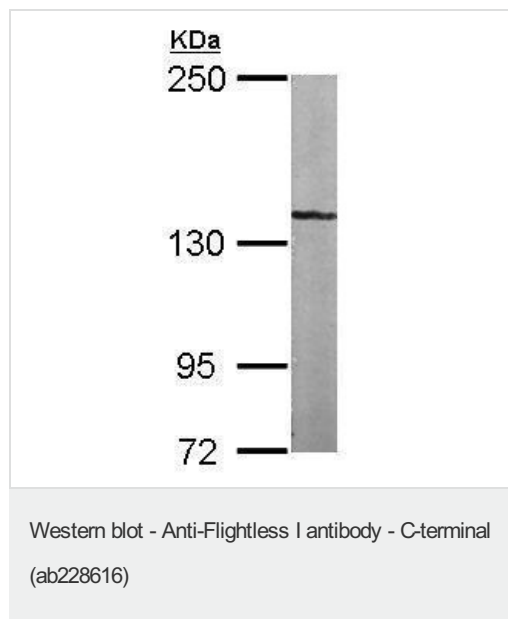
Sequence similarities

Contains 5 gelsolin-like repeats.
Contains 15 LRR (leucine-rich) repeats.

Cellular localization

Nucleus. Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Colocalizes to actin-rich structures in blastocysts and, together with HRAS1, RHOA and CDC42, in migrating fibroblasts. Localizes to centrosomes.

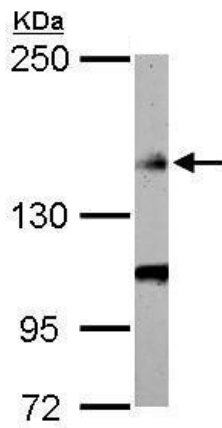
Images



Anti-Flightless I antibody - C-terminal (ab228616) at 1/1000 dilution
+ Mouse brain lysate at 50 µg

Predicted band size: 145 kDa

5% SDS-PAGE gel.

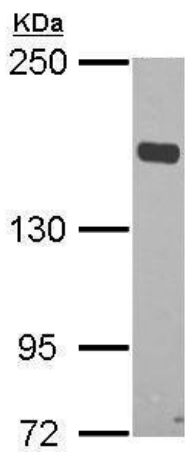


Western blot - Anti-Flightless I antibody - C-terminal (ab228616)

Anti-Flightless I antibody - C-terminal (ab228616) at 1/1000 dilution
+ Rat muscle lysate at 50 μ g

Predicted band size: 145 kDa

5% SDS-PAGE gel.

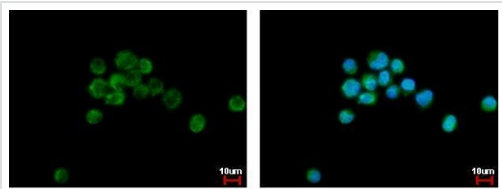


Western blot - Anti-Flightless I antibody - C-terminal (ab228616)

Anti-Flightless I antibody - C-terminal (ab228616) at 1/1000 dilution
+ Raji (human Burkitt's lymphoma cell line) whole cell lysate at 30 μ g

Predicted band size: 145 kDa

5% SDS-PAGE gel.



Immunocytochemistry/ Immunofluorescence - Anti-Flightless I antibody - C-terminal (ab228616)

4% paraformaldehyde-fixed Raji (human Burkitt's lymphoma cell line) cells stained for Flightless I (green) using ab228616 at 1/500 dilution in ICC/IF.

Nuclear counter stain: Hoechst 33342 (blue).

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