


Product datasheet

Anti-Flightless I antibody ab176805

3 Images

Overview

Product name	Anti-Flightless I antibody
Description	Rabbit polyclonal to Flightless I
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Synthetic peptide within Human Flightless I aa 425-475. The exact sequence is proprietary. (NP_002009.1). Sequence: ARKMRLRRRKDSAQDDQAKQVLKGMSDVAQEKNKKQE ESADARAPSGKVR R

Database link: [Q13045](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control HeLa and 293T whole cell lysates; Human breast carcinoma tissue.

General notes The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, 99% Tris buffered saline

Purity	Immunogen affinity purified
Purification notes	ab176805 was affinity purified using an epitope specific to Flightless I immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

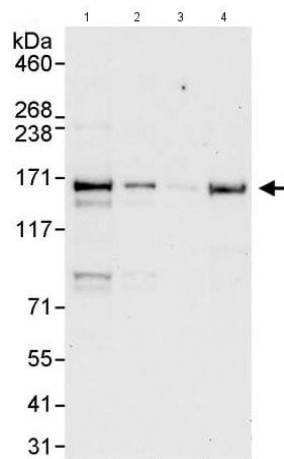
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab176805 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Predicted molecular weight: 145 kDa.
IP		Use at 2-5 µg/mg of lysate.

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



Western blot - Anti-Flightless I antibody (ab176805)

All lanes : Anti-Flightless I antibody (ab176805) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

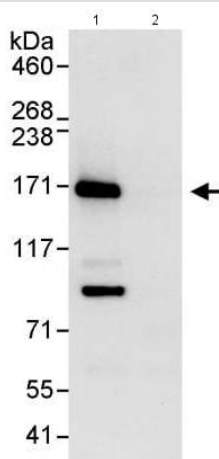
Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 145 kDa

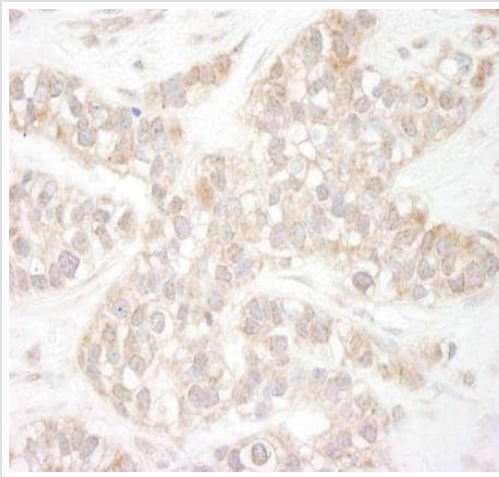
Exposure time: 30 seconds



Immunoprecipitation - Anti-Flightless I antibody (ab176805)

Detection of Flightless I in Immunoprecipitates of HeLa whole cell lysate (1 mg for IP, 20% of IP loaded) using ab176805 at 3 µg/mg lysate for IP (Lane 1) and at 1 µg/ml for subsequent Western blot detection. Lane 2 represents control IgG IP.

Detection: Chemiluminescence with an exposure time of 10 seconds.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human breast carcinoma tissue labeling Flightless I with ab176805 at 1/200 dilution, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Flightless I antibody (ab176805)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors