

Product datasheet

Anti-Morg1 antibody - Aminoterminal end ab65870

1 References 3 Images

Overview

Product name	Anti-Morg1 antibody - Aminoterminal end
Description	Rabbit polyclonal to Morg1 - Aminoterminal end
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	A synthetic peptide corresponding to a sequence near the N-terminus of human Morg1, identical to the related mouse and rat sequence.

Properties

Form	Lyophilized:0.2ml of distilled water will yield a concentration of 500µg/ml.
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab65870** 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
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 34 kDa.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml.

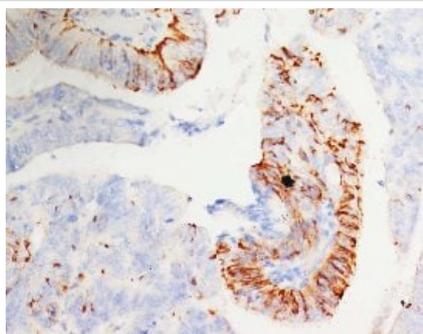
Target

Function Molecular scaffold protein for various multimeric protein complexes. Acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation. Also involved in response to hypoxia by acting as a negative regulator of HIF 1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF 1A. May act by recruiting signaling complexes to a specific upstream activator (By similarity). May also be involved in pre-mRNA splicing.

Sequence similarities Belongs to the WD repeat MORG1 family.
Contains 7 WD repeats.

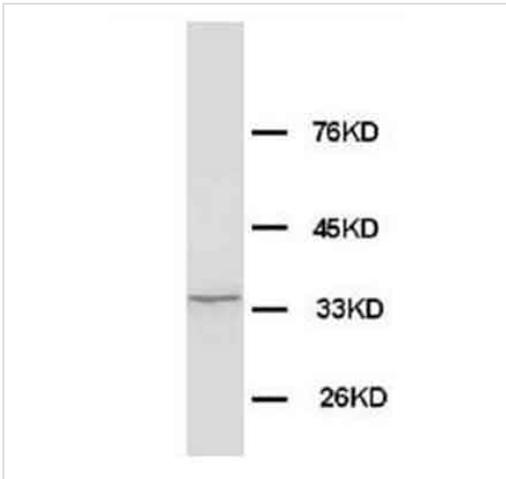
Cellular localization Cytoplasm. Nucleus. Predominantly cytoplasmic (By similarity). Partially nuclear.

Images



This image shows human mammary cancer tissue stained with ab65870 at 1 µg/ml. Cytoplasmic staining of Morg1, using DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Morg1 antibody - Aminoterminal end (ab65870)

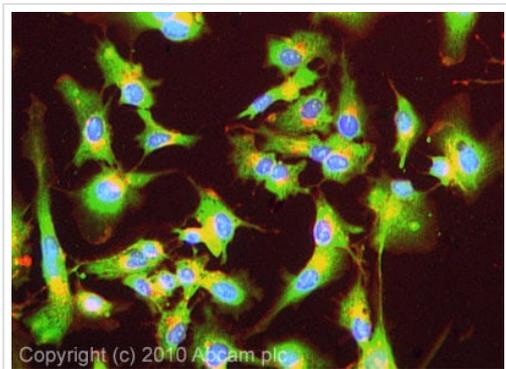


Western blot - Anti-Morg1 antibody - Aminoterminal end (ab65870)

Anti-Morg1 antibody - Aminoterminal end (ab65870) at 1 µg/ml + rat brain tissue lysate

Predicted band size: 34 kDa

Observed band size: 34 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Morg1 antibody - Aminoterminal end (ab65870)

ICC/IF image of ab65870 stained HepG2 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab65870, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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