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Datasheet for ABIN7126854 **anti-HOMEZ antibody**

Overview

Quantity:	100 µg
Target:	HOMEZ
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HOMEZ antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human HOMEZ protein
Isotype:	IgG2a
Specificity:	Homeodomain-containing proteins function as transcription factors that typically switch on cascades of other genes. Usually homeodomain proteins act in the promoter region of their target genes as complexes with other transcription factors, leading to much higher target specificity than a single homeodomain protein. HOMEZ (Homeobox and leucine zipper protein) is a 525 amino acid nuclear protein that contains 3 atypical homeodomains, 2 leucine zipper-like motifs, proline and serine-rich motifs and an acidic domain. Within homeodomain 2, it contains a putative nuclear localization signal. HOMEZ shares significant sequence similarity with mouse ZHX1 and sequences that are homologous to HOMEZ are restricted to vertebrates. Likely functioning as a transcription regulator, HOMEZ is ubiquitously expressed with highest levels found in in ovary, testis, kidney, fetal lung and kidney.
Cross-Reactivity (Details):	Human.

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: HOMEZ

Alternative Name: HOMEZ ([HOMEZ Products](#))

Background: KIAA1443, Homeodomain leucine zipper-containing factor, Homeobox and Leucine Zipper
Encoding / HOMEZ
Cellular localisation: Nucleus.

Molecular Weight: 61.24kDa

Gene ID: 57594, 632332

UniProt: [Q8IX15](#)

Application Details

Application Notes: Known_Application: Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: Human testis, kidney or fetal lung.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months