Datasheet for ABIN559688

anti-DYKDDDDK Tag antibody

1 Validation

1 Image

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Overview

Quantity:	100 µg
Target:	DYKDDDDK Tag
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DYKDDDDK Tag antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Dot Blot (DB), Immunostaining (ISt)

Product Details

Immunogen:	DYKDDDDK (DYKDDDDK) synthetic peptide conjugated to KLH
Sequence:	DYKDDDDK
Clone:	FG4R
Isotype:	IgG1
Specificity:	Recognizes the N-terminal, C-terminal or internal DYKDDDDK-tagged fusion proteins
Sensitivity:	WB (with ECL): 1-5ng of DYKDDDDK-tagged fusion proteins
Purification:	Protein A affinity chromatography from mouse ascites fluid

Target Details

Target:	DYKDDDDK Tag
Alternative Name:	FLAG Tag (DYKDDDDK Tag Products)

Target Details

Target Type:	Tag

Application Details

Application Notes:	WB (with ECL): 1:1000-3000 dilution (incubate for one hour at room temperature) / IS: 1:500-2000 dilution / For best results with other assays (e.g.: Dot, ELISA, IP, etc), please determine optimal working dilution by titration test
Restrictions:	For Research Use only

Handling

Concentration:	1mg/mL
Buffer:	10mM PBS, pH 7.2, 0.05% NaN3
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Images

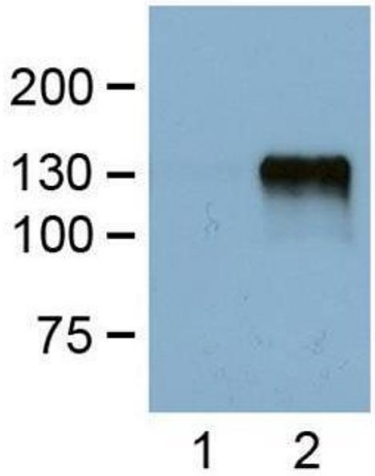


Image 1. 1:1000 (1µg/mL) Ab dilution probed against HEK293 cells transfected with DYKDDDDK-tagged protein vector, untransfected (1) and transfected (2)

Validation report #102796 for Immunofluorescence (IF)

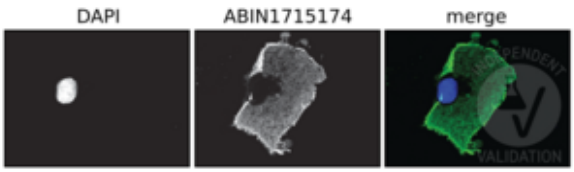
Successfully validated (Immunofluorescence (IF))

by Martinelli lab, Neuroscience Department, UConn Health

Report Number: 102796

Date: Feb 13 2018

Target:	DYKDDDDK-tag
Lot Number:	02017
Method validated:	Immunofluorescence (IF)
Positive Control:	African green monkey kidney fibroblast-like COS7 cells transfected with BAI3, a transmembrane protein with a surface presented DYKDDDDK-tag
Negative Control:	untransfected COS7 cells
Notes:	Passed. Signal was observed as expected. There was never any signal on untransfected cells, demonstrating specificity of the antibody.
Primary Antibody:	ABIN1715174
Secondary Antibody:	goat anti-mouse AF488 conjugated antibody (Life Technologies, A11029, lot 1829920)
Protocol:	• Grow COS7 cells in DMEM (Biological Industries, 01-052-1A, lot 1728619) supplemented with FBS (Hyclone, SH3039602) without antibiotics, at 37°C and 5% CO_2 in 1ml on glass coverslips on 24-well plate. • Transfect cells with calcium phosphate method with a eukaryotic expression construct to express a DYKDDDDK-tagged BAI3, which will be surface presented. • Grow cells for 24h. • Fix cells on coverslips in 4% PFA for 15min at 4°C. • Wash cells 3x for 5min with PBS. • Block non-specific binding with 5% goat serum in PBS for 1h at RT. • Incubate cells with primary mouse anti-DYKDDDDK-tag antibody (antibodies-online, ABIN1715174, lot 02017) diluted 1:2000 in blocking solution ON at 4°C. • Wash cells 3x for 5min with PBS. • Incubate cells with secondary goat anti-mouse AF488 conjugated antibody (Life Technologies, A11029, lot 1829920) diluted 1:400 in blocking buffer for 1h at RT protected from light. • Wash cells 3x for 5min with PBS. • Mount coverslips on glass slides in Fluoromount-G with DAPI mounting medium (ThermoFisher Scientific, 00-4959-52, lot B2215-N915). • Image acquisition on a Zeiss Axiovert epifluorescence with with a 40x objective, using a Zeiss ApoTome for optical sectioning.



Validation image no. 1 for anti-DYKDDDDK Tag antibody (ABIN1715174)

COS7 cells were transfected to express a DYKDDDDK-tagged and surface presented BAI3 protein. Indirect immunoflouresence using ABIN1715174 reveals specific signal for the DYKDDDDK-tag (middle) on the cell surface. No colocalization of the ABIN1715174 and nuclear stain (DAPI, left) was observed (merge, right). No signal was ever observed in any untransfected cell.