

Anti-ERK5 MAPK7 Antibody

Catalog Number: A02812-1

About MAPK7

Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway and the steroid hormone signaling pathway. Involved in regulating STAT3 signaling via inhibiting STAT3 DNA-binding and suppressing cell growth.

Jiang-Hong Man, Nucleic Acids Res., Nov 2006; 34: 5552 - 5566.

Amir Sonnenblick, Mol. Cell. Biol., Dec 2004; 24: 10584 - 10592.

Jianyin Long, PNAS, Jan 2004; 101: 99.

Hyun Duk Jang, J. Biol. Chem., Jun 2004; 279: 24873 - 24880.

Overview

Product Name	Anti-ERK5 MAPK7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ERK5 MAPK7 Antibody catalog # A02812-1. Tested in WB,ICC/IF,IP,Flow Cytometry applications. This antibody reacts with Human,Mouse,Rat.
Application	Flow Cytometry, IP, IF, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13164

Technical Details

Immunogen	Synthesized peptide derived from human EphB1/2 around the phosphorylation site of Y594/604.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 1:1,000-1:2,000

ICC: 1:100-1:500

FC: 1:50-1:100

Anti-ERK5 MAPK7 Antibody (A02812-1) Images

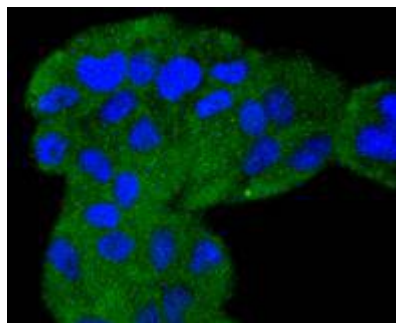


Figure 2. Immunocytochemistry staining of MAPK7 using Anti-ERK5 MAPK7 Antibody (A02812-1).

ICC staining ERK5 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

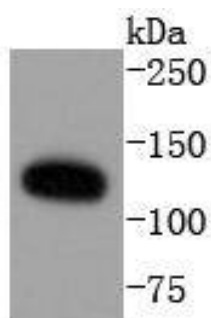


Figure 1. Western blotting validation for Anti-ERK5 MAPK7 Antibody A02812-1

Western blot analysis of ERK5 on Hela cells lysates using anti-ERK5 antibody at 1/1

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