Anti-MEK2 (KO Validated) Antibody

05/20

CATALOG NO.: **A2124-100 (100 µl)**

BACKGROUND DESCRIPTION: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.

ALTERNATE NAMES: CFC4; MAPKK2; MEK2; MKK2; PRKMK2; MAP2K2

ANTIBODY TYPE: Monoclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Synthetic peptide derived from human MEK2

MOLECULAR WEIGHT: 44 kDa

PURIFICATION: Affinity purified

FORM: Liquid

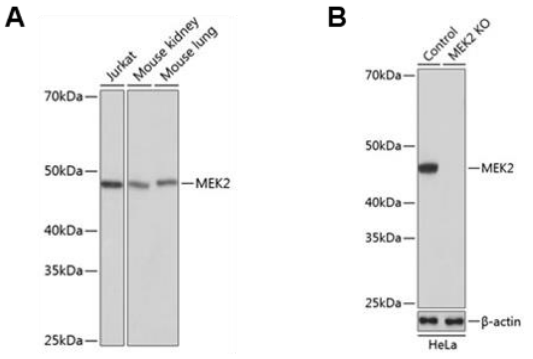
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse

STORAGE CONDITIONS: Store at -20ºC. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:2000

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of Jurkat cell, tissue extracts (A), control and MEK2 KO cells (B) using Anti-MEK2 (KO Validated) antibody at 1:1000 dilution. Secondary antibody used was HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. 25 µg of lysates/proteins were loaded per lane. 3% nonfat dry milk in TBST was used as blocking buffer. ECL Enhanced Kit was used for detection and exposure time was 1s.

RELATED PRODUCTS:

p44/42 MAPK (Erk1/2) Antibody (3085R)
Anti-AKT (PH domain) Rabbit Monoclonal Antibody (RM316) (A1835)
MKK3 Antibody (3285)
Raf1 Antibody (3116)

FOR RESEARCH USE ONLY! Not to be used on humans.