MEK-2 (Phospho Thr394) Rabbit pAb

CatalogNo: YP0169 Orthogonal Validated Comparable Abs

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,IHC,IF,IP,ELISA

MW	Isotype
• 44kD (Calculated)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
IP 2-5 ug/mg lysate
ELISA 1:10000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human MEK-2 around the phosphorylation site of Thr394. AA range:261-310

Specificity Phospho-MEK-2 (T394) Polyclonal Antibody detects endogenous levels of MEK-2 protein only when phosphorylated at T394.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PGtPT

Target Information

Gene name MAP2K2

Protein Name Dual specificity mitogen-activated protein kinase kinase 2

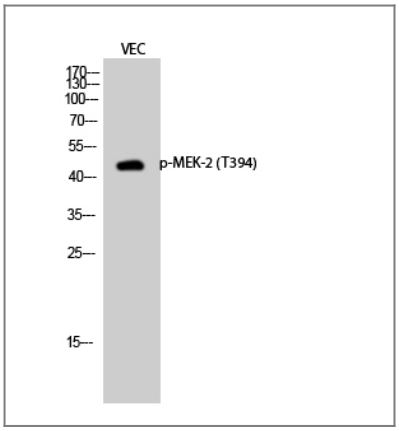
Organism	Gene ID	UniProt ID
Human	5605;	P36507;
Mouse	26396;	Q63932;
Rat	58960;	P36506;

Cellular Localization Cytoplasm . Membrane ; Peripheral membrane protein . Membrane localization is probably regulated by its interaction with KSR1. .

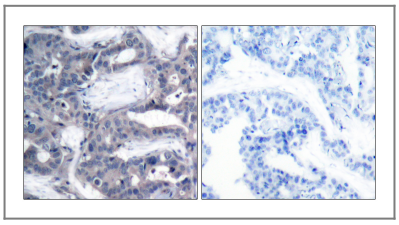
Tissue specificity Colon carcinoma ,Epithelium ,Human cerebellum ,Muscle ,Platelet

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,Disease:Defects in MAP2K2 are a cause of cardiofaciocutaneous syndrome (CFC syndrome) [MIM:115150]; also known as cardio-facio-cutaneous syndrome. CFC syndrome is characterized by a distinctive facial appearance , heart defects and mental retardation. Heart defects include pulmonic stenosis , atrial septal defects and hypertrophic cardiomyopathy. Some affected individuals present with ectodermal abnormalities such as sparse , friable hair , hyperkeratotic skin lesions and a generalized ichthyosis-like condition. Typical facial features are similar to Noonan syndrome. They include high forehead with bitemporal constriction , hypoplastic supraorbital ridges , downslanting palpebral fissures , a depressed nasal bridge , and posteriorly angulated ears with prominent helices. The inheritance of CFC syndrome is autosomal dominant. ,Function:Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases. ,PTM:MAPKK is itself dependent on Ser/Thr phosphorylation for activity catalyzed by MAP kinase kinase kinases (RAF or MEKK1) . ,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily. ,similarity:Contains 1 protein kinase domain. ,subunit:Interacts with MORG1. ,

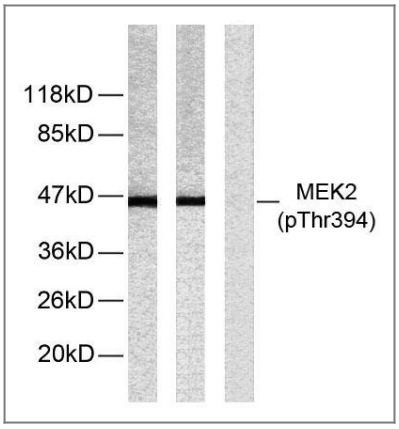
Validation Data



Western Blot analysis of VEC cells using Phospho-MEK-2 (T394) Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MEK2 (Phospho-Thr394) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from ovary cancer, using MEK2 (Phospho-Thr394) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
MEK-2 (Phospho Thr394) Rabbit pAb

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