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Phospho-Raf1-S338 Rabbit pAb

Catalog No.: AP0498 **7 Publications**

Basic Information

Observed MW
73kDa

Calculated MW
73kDa

Category
Primary antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

Background

This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5894

Swiss Prot
P04049

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
NS5; CRAF; Raf-1; c-Raf; CMD1NN; Phospho-Raf1-S338

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

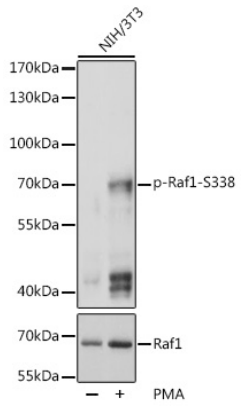
Source
Rabbit

Isotype
IgG

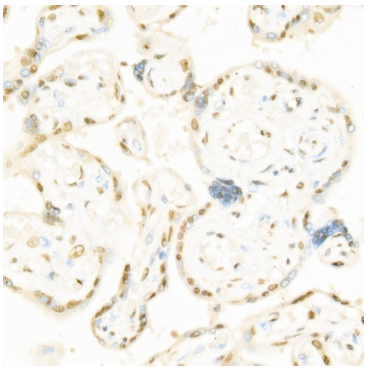
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

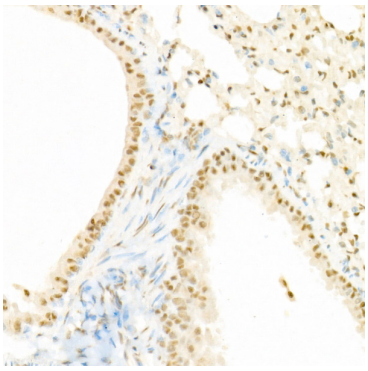
Validation Data



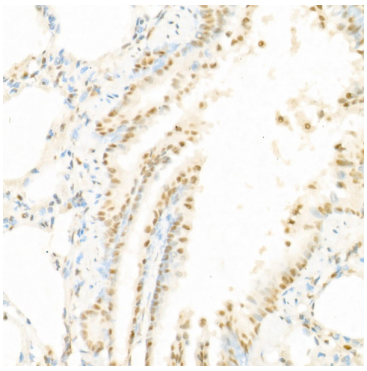
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Raf1-S338 pAb (AP0498) at 1:1000 dilution or Phospho-Raf1-S338 antibody (A0223). NIH/3T3 cells were treated with PMA/TPA (200nM) for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human placenta using Phospho-Raf1-S338 Rabbit pAb (AP0498) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using Phospho-Raf1-S338 Rabbit pAb (AP0498) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung using Phospho-Raf1-S338 Rabbit pAb (AP0498) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

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