

## A-Raf (Phospho Tyr302) Rabbit pAb

CatalogNo: YP0904 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 68kD (Observed)

#### Isotype

- 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**

**IF 1:200-1:1000**

**ELISA 1:20000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human A-RAF around the phosphorylation site of Tyr302. AA range:276-325

## Specificity

Phospho-A-Raf (Y302) Polyclonal Antibody detects endogenous levels of A-Raf protein only when phosphorylated at Y302. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):GYyWE

## Target Information

**Gene name** ARAF

**Protein Name** Serine/threonine-protein kinase A-Raf

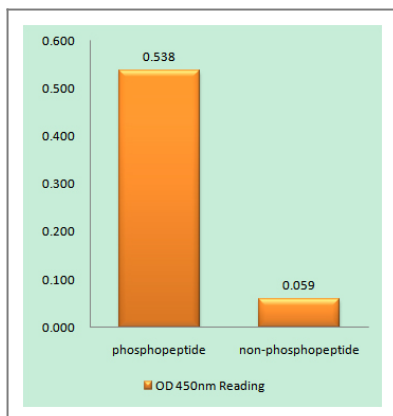
Organism	Gene ID	UniProt ID
Human	<a href="#">369</a> ;	<a href="#">P10398</a> ;
Mouse	<a href="#">11836</a> ;	<a href="#">P04627</a> ;
Rat	<a href="#">64363</a> ;	<a href="#">P14056</a> ;

**Cellular Localization** intracellular ,mitochondrion ,cytosol ,

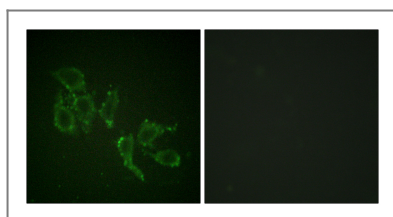
**Tissue specificity** Predominantly in urogenital tissues.

**Function** Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,cofactor:Binds 2 zinc ions per subunit. ,Function:Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. ,similarity:Belongs to the protein kinase superfamily. ,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily. ,similarity:Contains 1 phorbol-ester/DAG-type zinc finger. ,similarity:Contains 1 protein kinase domain. ,similarity:Contains 1 RBD (Ras-binding) domain. ,subunit:Interacts with TH1L/NELFD. ,tissue specificity:Predominantly in urogenital tissues. ,

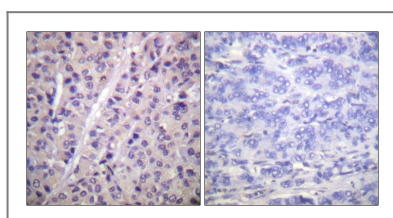
## Validation Data



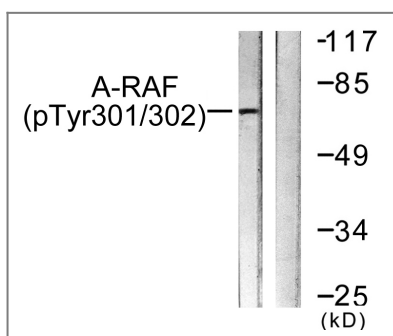
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using A-RAF (Phospho-Tyr302) Antibody



Immunofluorescence analysis of HepG2 cells, using A-RAF (Phospho-Tyr302) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using A-RAF (Phospho-Tyr302) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with PMA 125ng/ml 30', using A-RAF (Phospho-Tyr302) 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:  
**A-Raf (Phospho Tyr302) Rabbit pAb**