Raf-1 (Phospho Ser338) Rabbit mAb (AR1939)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	73kDa (Calculated) 73kDa (Observed)

Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	Raf-1 (Phospho Ser338) Monoclonal Antibody detects endogenous levels of Raf-1 protein only when phosphorylated at S338.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):RDsSY

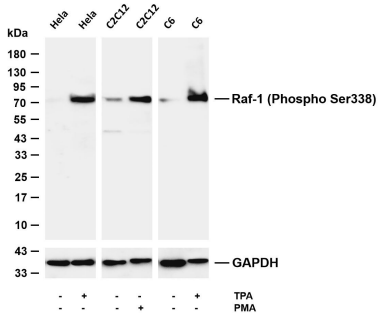
Target Information

Gene name	RAF1
Protein Name	RAF proto-oncogene serine/threonine-protein kinase

Organism	Gene ID	UniProt ID
Human	5894	P04049
Mouse	110157	Q99N57
Rat	24703	P11345

Cellular Localization	Cytoplasm. Cell membrane. Mitochondrion. Nucleus. Colocalizes with RGS14 and BRAF in both the cytoplasm and membranes. Phosphorylation at Ser-259 impairs its membrane accumulation. Recruited to the cell membrane by the active Ras protein. Phosphorylation at Ser-338 and Ser-339 by PAK1 is required for its mitochondrial localization. Retinoic acid induced Ser-621 phosphorylated form of RAF1 is predominantly localized at the nucleus.
Tissue specificity	In skeletal muscle, isoform 1 is more abundant than isoform 2.

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Raf-1 (Phospho Ser338) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.
Lane 1: Hela
Lane 2: Hela was treated with TPA(200ng/mL) for 15 minutes
Lane 3: C2C12
Lane 4: C2C12was treated with PMA(200nM) for 30 minutes
Lane 5: C6
Lane 6: C6 was treated with TPA(200nM) for 30 minutes
Predicted band size: 73kDa
Observed band size: 73kDa

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