Data Sheet (Cat.No.TMAC-00261)

Anti-A-Raf Antibody (2P32)

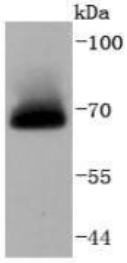
Product Details

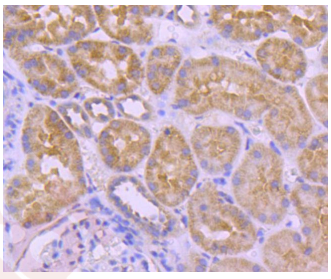
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 68 kDa.
Clone:	2P32
Purification:	ProA affinity purified

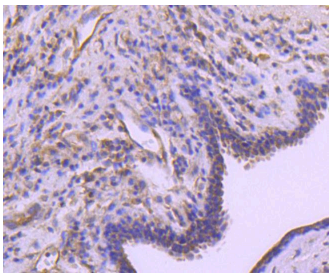
Applications

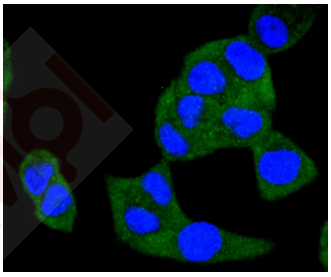
Verified Activity:

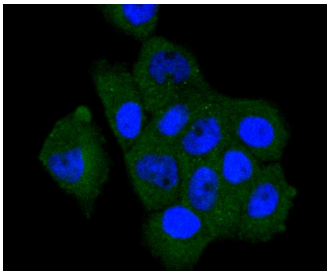
1. Western blot analysis of A-RAF on Hela cells lysates using anti-A-RAF antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-A-RAF antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-A-RAF antibody. Counter stained with hematoxylin.
4. ICC staining A-RAF in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining A-RAF in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining A-RAF in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. Flow cytometric analysis of Hela cells with A-RAF antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

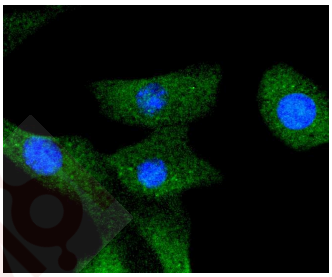


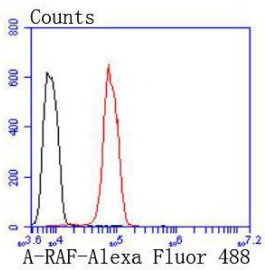












Application: FCM,ICC/IF,IHC,WB

Recommended: WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P10398
Synonyms:	ARAF;Oncogene PKS2;PKS;Proto-oncogene A-Raf;Proto oncogene Pks;Proto-oncogene A-Raf-1;Proto-oncogene Pks;RAFA1;Serine/threonine-protein kinase A-Raf;ARAF_HUMAN;ARAF 1;PKS2;A Raf proto oncogene serine/threonine protein kinase;v raf murine sarcoma 3611 viral oncogene homolog 1;A raf 1;PKS 2;ARaf proto oncogene serine/threonine protein kinase;ARAF1;RAFA 1;Ras binding protein DA Raf;Oncogene Araf1;v raf murine sarcoma 3611 viral oncogene homolog;v raf oncogene homolog 1 (murine sarcoma 3611 virus)

Research Background

Several serine/threonine protein kinases have been implicated as intermediates in signal transduction pathways. These include ERK/MAP kinases, ribosomal S6 kinase (Rsk) and Raf-1. Raf-1 is a cytoplasmic protein with intrinsic serine/ threonine activity. It is broadly expressed in nearly all cell lines tested to date and is the cellular homolog of v-Raf, the product of the transforming gene of the 3611 strain of murine sarcoma virus. The unregulated kinase activity of the v-Raf protein has been associated with transformation and mitogenesis while the activity of Raf-1 is normally suppressed by a regulatory N-terminal domain. A-Raf, a second member of the Raf gene family of serine/threonine protein kinases, exhibits substantial homology to Raf-1 within the kinase domain of the two molecules, but less homology elsewhere. Expression of A-Raf is found at highest levels in urogenital tissues and kidney and at lowest level in brain tissue.

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