

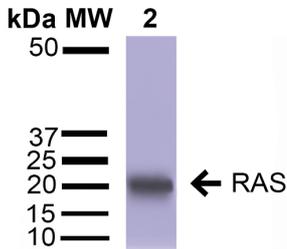
Anti-RAS Antibody (A305081)

Specifications:

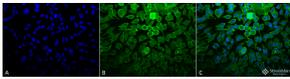
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|------------------------|--|
| Name: | Anti-RAS Antibody |
| Description: | Rabbit polyclonal antibody to RAS. |
| Applications: | WB, IHC, ICC/IF |
| Recommended Dilutions: | WB: 1:1,000, IHC: 1:100, ICC/IF: 1:200 |
| Reactivity: | Human, Mouse, Rat, Bovine |
| Immunogen: | Synthetic peptide corresponding to amino acids 31-43 of human RAS. (The immunogen peptide is from the effector binding loop (I2) of the H, K and N-Ras (AA31-43). This sequence is identical yeast, slime mould, fungi, Xenopus, rat, mouse and chicken over these residues.). |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Isotype: | IgG |
| Conjugate: | Unconjugated |
| Purification: | Protein G purification. |
| Concentration: | 1 mg/ml |
| Molecular Weight: | ~21 kDa |
| Product Form: | Liquid |
| Formulation: | Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.09% Sodium Azide. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Disclaimer: | This product is for research use only. It is not intended for diagnostic or therapeutic use. |

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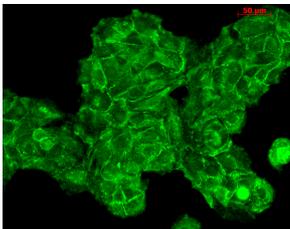
Images:



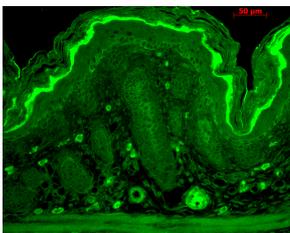
Western blot analysis of mouse brain Cortex cell lysates showing detection of ~21 kDa RAS protein using Anti-RAS Antibody (A305081) at 1:1,000 for 2 hours at room temperature. Lane 1: Molecular Weight Ladder (MW). Lane 2: mouse brain Cortex cell lysates. Load: 30 µg. Block: 5% Skim Milk in 1X TBST. The secondary antibody used was Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 minutes at room temperature. Color Development: ECL solution for 5 minutes at room temperature. Predicted/Observed Size: ~21 kDa.



Immunocytochemistry/Immunofluorescence analysis of human cervical cancer cell line (HeLa), fixed in 2% formaldehyde for 20 minutes at room temperature, using Anti-RAS Antibody (A305081), at 1:200 for 12 hours at 4°C. The secondary antibody used was FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at room temperature. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at room temperature. Localization: Cell membrane. Lipid-anchor. Focal adhesion. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-RAS Antibody. (C) Composite.



Immunocytochemistry/Immunofluorescence analysis of human HaCaT cells, fixed in cold 100% methanol at -20°C for 10 minutes, using Anti-RAS Antibody (A305081), at 1:100 for 12 hours at 4°C. The secondary antibody used was FITC Goat Anti-Rabbit at 1:50 for 1-2 hours at room temperature in dark. Localization: Cell-cell junction.



Immunohistochemistry analysis of mouse backskin, fixed in Bouin's fixative solution. The Primary Antibody used was Anti-RAS Antibody (A305081) at 1:100 for 1 hour at room temperature. The secondary antibody used was FITC Goat Anti-Rabbit (green) at 1:50 for 1 hour at room temperature. Localization: Basal cell of the epidermis.