

## ARG44137 anti-MARK3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal recognizes MARK3   |
| Tested Reactivity   | Hu, Ms, Rat  |
| Tested Application  | FACS, IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | MARK3  |
| Species             | Human  |
| Immunogen           | Human MARK3 recombinant protein (Position: H311-D648).   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | MARK3; Microtubule Affinity Regulating Kinase 3; CTAK1; MAP/Microtubule Affinity-Regulating Kinase 3; KP78; Serine/Threonine-Protein Kinase P78; Cdc25C-Associated Protein Kinase 1; Ser/Thr Protein Kinase PAR-1; Protein Kinase STK10; ELKL Motif Kinase 2; EC 2.7.11.1; PAR-1A; Par-1a; C-TAK1; EMK-2; EC 2.7.11; PAR1A; VIPB; EMK2 |

### Application Instructions

| Application table | Application | Dilution                       |
|-------------------|-------------|--------------------------------|
|                   | FACS        | 1 - 3 µg/10 <sup>6</sup> cells |
|                   | IHC-P       | 2 - 5 µg/ml                    |
|                   | WB          | 0.25 - 0.5 µg/ml               |

**Application Note** The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purification with immunogen.  |
| Buffer              | 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.  |
| Preservative        | 0.05% Sodium azide   |
| Stabilizer          | 4% Trehalose   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

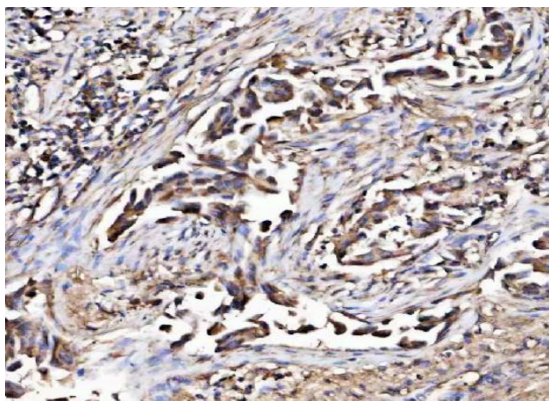
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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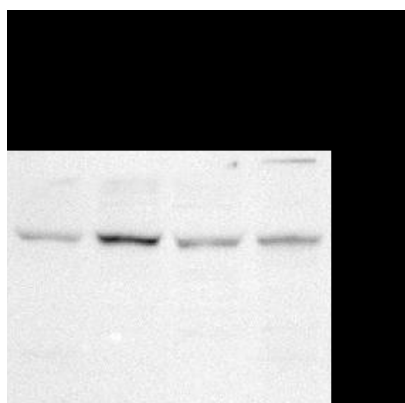
|                       |   |
|-----------------------|---|
| Gene Symbol           | MARK3   |
| Gene Full Name        | Microtubule Affinity Regulating Kinase 3  |
| Background            | The protein encoded by this gene is activated by phosphorylation and in turn is involved in the phosphorylation of tau proteins MAP2 and MAP4. Several transcript variants encoding different isoforms have been found for this gene. |
| Function              | Serine/threonine-protein kinase.  |
| Research Area         | Disease variant   |
| Calculated Mw         | 84 kDa  |
| PTM                   | Phosphoprotein  |
| Cellular Localization | Cell membrane, Cell projection, Cytoplasm, Membrane   |

## Images



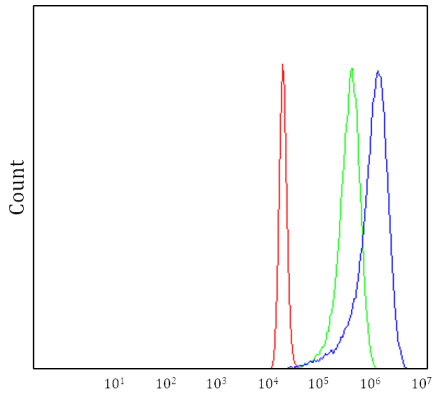
ARG44137 anti-MARK3 antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG44137 anti-MARK3 antibody at 2 µg/ml dilution.



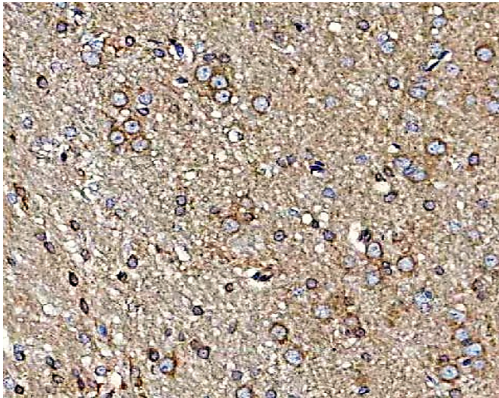
ARG44137 anti-MARK3 antibody WB image

Western blot: HeLa, K562, 293T and MCF-7 stained with ARG44137 anti-MARK3 antibody at 0.5 µg/ml dilution.



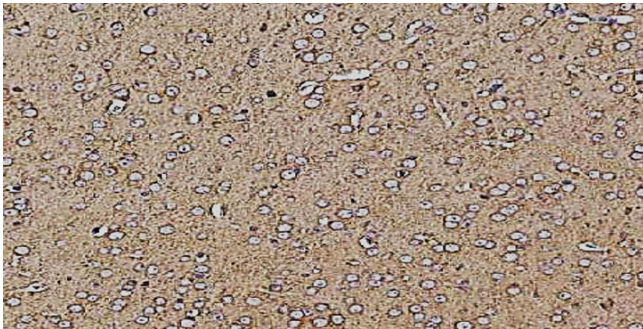
ARG44137 anti-MARK3 antibody FACS image

Flow Cytometry: 293T stained with ARG44137 anti-MARK3 antibody at  $1 \mu\text{g}/10^6$  cells dilution.



ARG44137 anti-MARK3 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44137 anti-MARK3 antibody at  $2 \mu\text{g}/\text{ml}$  dilution.



ARG44137 anti-MARK3 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG44137 anti-MARK3 antibody at  $2 \mu\text{g}/\text{ml}$  dilution.