

ARG44183 anti-NUCKS1 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes NUCKS1 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | NUCKS1 |
| Species | Human |
| Immunogen | Recombinant protein of Human NUCKS1 |
| Conjugation | Un-conjugated |
| Alternate Names | NUCKS1; Nuclear Casein Kinase And Cyclin Dependent Kinase Substrate 1; NUCKS; Nuclear Ubiquitous Casein And Cyclin-Dependent Kinase Substrate 1; P1; Nuclear Ubiquitous Casein Kinase And Cyclin-Dependent Kinase Substrate; Potential LAG1 Interactor; JC7 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|--------------------------------|
| | FACS | 1-3 µg/1x10 ⁶ 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

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|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 5% BSA |
| 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. |

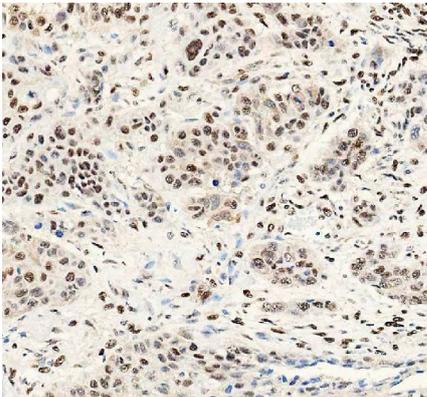
Note

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

Bioinformation

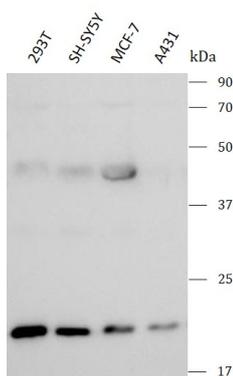
| | |
|-----------------------|--|
| Gene Symbol | NUCKS1 |
| Gene Full Name | Nuclear Casein Kinase And Cyclin Dependent Kinase Substrate 1 |
| Background | This gene encodes a nuclear protein that is highly conserved in vertebrates. The conserved regions of the protein contain several consensus phosphorylation sites for casein kinase II and cyclin-dependent kinases, two putative nuclear localization signals, and a basic DNA-binding domain. It is phosphorylated in vivo by Cdk1 during mitosis of the cell cycle. |
| Function | Chromatin-associated protein involved in DNA repair by promoting homologous recombination (HR). |
| Calculated Mw | 27 kDa |
| PTM | Phosphoprotein |
| Cellular Localization | Chromosome, Nucleus |

Images



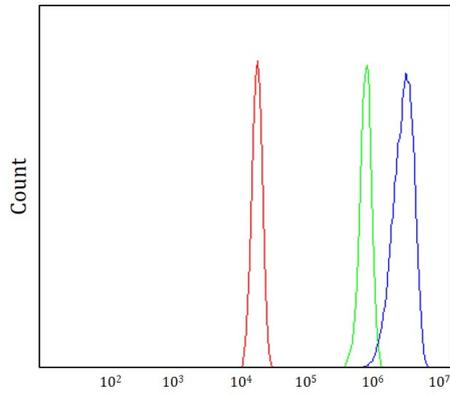
ARG44183 anti-NUCKS1 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous carcinoma stained with ARG44183 anti-NUCKS1 antibody at 2 µg/mL dilution.



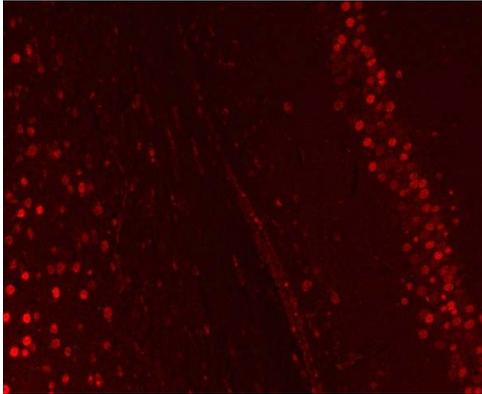
ARG44183 anti-NUCKS1 antibody WB image

Western blot: 293T, SH-SY5Y, MCF-7 and A431 stained with ARG44183 anti-NUCKS1 antibody at 0.5 µg/mL dilution.



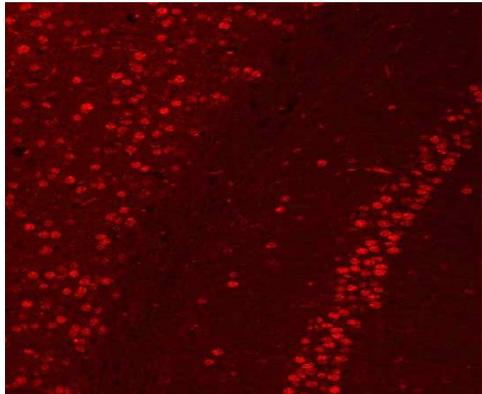
ARG44183 anti-NUCKS1 antibody FACS image

Flow Cytometry: HeLa stained with ARG44183 anti-NUCKS1 antibody at 1 $\mu\text{g}/1 \times 10^6$ cells dilution.



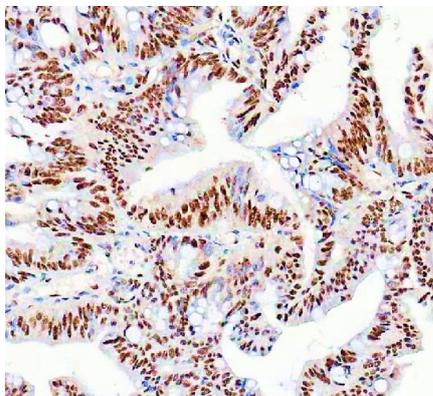
ARG44183 anti-NUCKS1 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44183 anti-NUCKS1 antibody at 5 $\mu\text{g}/\text{mL}$ dilution.



ARG44183 anti-NUCKS1 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG44183 anti-NUCKS1 antibody at 5 $\mu\text{g}/\text{mL}$ dilution.



ARG44183 anti-NUCKS1 antibody IHC-P image

Immunohistochemistry: Human rectum adenocarcinoma stained with ARG44183 anti-NUCKS1 antibody at 2 $\mu\text{g}/\text{mL}$ dilution.