

ARG53014 anti-FBXW7 antibody [SP237]

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Monoclonal antibody [SP237] recognizes FBXW7 |
| Tested Reactivity | Hu |
| Tested Application | FACS, IHC-P |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone | SP237 |
| Isotype | IgG |
| Target Name | FBXW7 |
| Species | Human |
| Immunogen | Synthetic peptide derived from the internal region of human FBXW7 protein. |
| Conjugation | Un-conjugated |
| Alternate Names | AGO; F-box protein FBX30; hCdc4; FBW7; FBW6; F-box/WD repeat-containing protein 7; SEL-10; hAgo; FBX30; SEL10; FBXO30; F-box and WD-40 domain-containing protein 7; CDC4; FBXW6; Archipelago homolog |

Application Instructions

| | | |
|-------------------|--|-----------------|
| Application table | Application | Dilution |
| | FACS | Assay-Dependent |
| | IHC-P | 1:100 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Endometrial Adenocarcinoma, Lung Squamous Cell Carcinoma | |

Properties

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|---------------------|--|
| Form | Liquid |
| Purification | Purified by protein A/G |
| Buffer | PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide |
| Preservative | < 0.1% Sodium azide |
| Stabilizer | 1% BSA |
| 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

Database links [GeneID: 55294 Human](#)

[Swiss-port # Q969H0 Human](#)

Background F-box/WD repeat-containing protein 7 (Fbxw7) is part of an ubiquitin-protein ligase complex. The complex ubiquitinates and degrades several important oncogenes such as mTOR, MYC, AURKA, JUN, and NOTCH1. Fbxw7 cooperates with PTEN for tumor suppression and is widely expressed in many normal tissues. The loss of fbxw7 is associated with malignant progression in a variety of tumors, including carcinoma of colorectum, lung, stomach, bile duct, endometrium, pancreas, breast and glioblastoma.

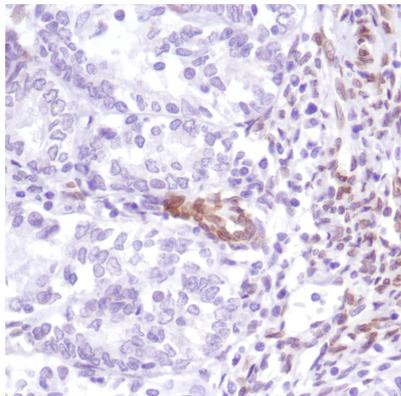
Research Area Cancer antibody; Cell Biology and Cellular Response antibody

Calculated Mw 80 kDa

PTM Phosphorylation at Thr-205 promotes interaction with PIN1, leading to disrupt FBXW7 dimerization and promoting FBXW7 autoubiquitination and degradation (PubMed:22608923). Ubiquitinated: autoubiquitinates following phosphorylation at Thr-205 and subsequent interaction with PIN1. Ubiquitination leads to its degradation (PubMed:22608923).

Cellular Localization Cytoplasm, Nucleus, Nucleolus

Images



ARG53014 anti-FBXW7 antibody [SP237] IHC-P image

Immunohistochemistry: Human Endometrial Adenocarcinoma stained with FBXW7 antibody [SP237] (ARG53014)