

Rabbit Anti-USP35 (Ubiquitin Specific Peptidase 35) Polyclonal: RC0332-0.1ML

Intended Use: For Research Use Only

Description: USP35 is a member of the peptidase C19 family. USP35 is involved in various cellular processes, including cancer development and immune response. USP35 plays a role in regulating cell mitosis by deubiquitinating Aurora B and preventing its degradation. USP35 can also regulate MFN2 abundance and PARK2-mediated mitophagy. USP35 has 2 isoforms with the molecular mass of 84 and 113 kDa. USP35 is overexpressed in various cancers, including colorectal cancer, breast cancer, and lung cancer. USP35 is implicated in cancer by affecting cell proliferation, chemo-resistance, and immune evasion.

Specifications:

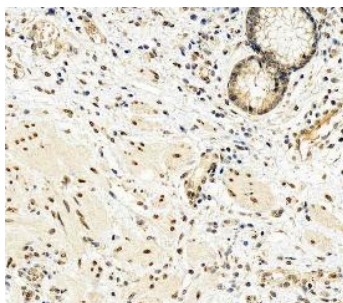
Clone:	Polyclonal
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, mouse
Immunogen:	USP35 fusion protein
Localization:	Cytoplasm, mitochondrion
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2° - 8°C
Applications:	IHC, WB
Package:	

Description	Catalog No.	Size
USP35 Polyclonal Concentrated	RC0332-0.1ML	0.1 ml

IHC Procedure*:

Positive Control Tissue:	Colon cancer, lung cancer, breast cancer
Concentrated Dilution:	100-500
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	Overnight at 4°C
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon cancer stained with anti-USP35 using DAB

References:

1. USP35 promotes the growth of ER positive breast cancer by inhibiting ferroptosis via BRD4-SLC7A11 axis. Jiawei Cao. Et al. Communications Biology 8(1) January 2025. DOI:10.1038/s42003-025-07513-1.
2. USP35 promotes hepatocellular carcinoma progression by protecting PKM2 from ubiquitination-mediated degradation. Tao Lv, et al. International Journal of Oncology. August 14, 2023. doi.org/10.3892/ijo.2023.5561.
3. Deubiquitinase USP35 stabilizes BRPF1 to activate mevalonate (MVA) metabolism during prostate tumorigenesis. Guowen Lin, et al. Cell Death Discov. Nov 10;8(1):453, 2022. doi: 10.1038/s41420-022-01231-x.