

## Anti-Mucin-2/MUC2 Antibody (9V575)

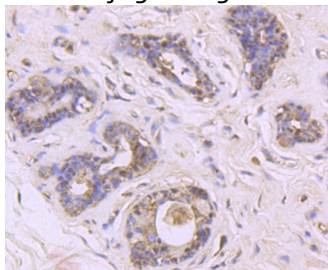
### Product Details

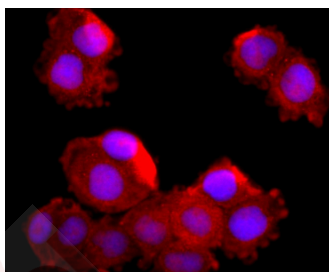
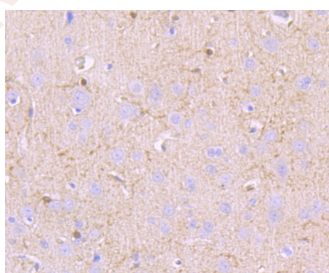
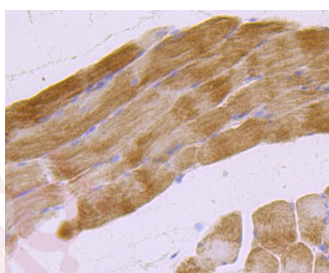
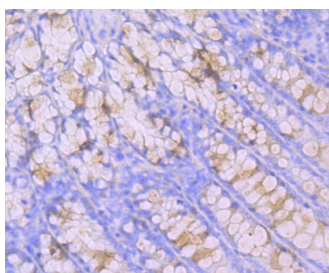
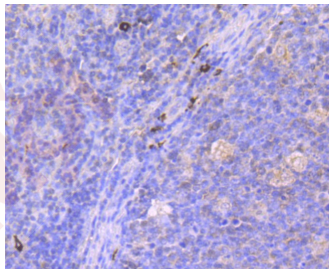
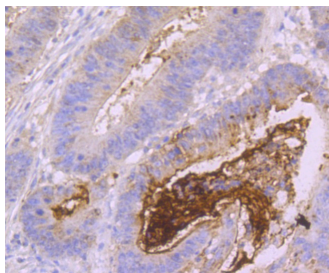
Ig Type:	IgG
Reactivity:	Human,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 540 kDa.
Clone:	9V575
Purification:	ProA affinity purified

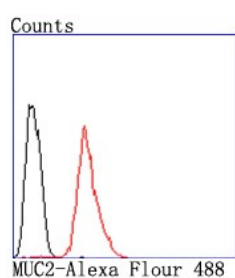
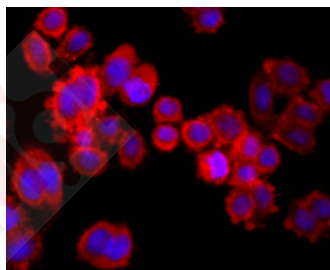
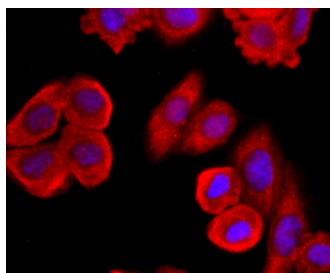
### Applications

1. Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-MUC2 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-MUC2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-MUC2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded rat intestine tissue using anti-MUC2 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-MUC2 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-MUC2 antibody. Counter stained with hematoxylin.
7. ICC staining MUC2 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining MUC2 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. ICC staining MUC2 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
10. Flow cytometric analysis of Hela cells with MUC2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Verified Activity:







Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 1:100-500; IP: 1:50; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q02817

Synonyms: Mucin-2; SMUC; MUC-2; MUC2; Intestinal mucin-2

### Research Background

The mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs) encoded by 60 base pairs (Mucin 1), 69 base pairs (Mucin 2) and 51 base pairs (Mucin 3). The number of repeats is highly polymorphic and varies among different alleles. Mucin 1 proteins are expressed as type I membrane proteins in addition to secreted forms. Mucin 1 is aberrantly expressed in epithelial tumors including breast carcinomas. Mucin 2 coats the epithelia of the intestines and airways and is associated with colonic tumors. Mucin 3 is a major component of various mucus gels and is broadly expressed in normal and tumor cells.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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