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## anti-AGR2 antibody

2 Images



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#### Overview

| Quantity:    | 200 μL                              |
|--------------|-------------------------------------|
| Target:      | AGR2                                |
| Reactivity:  | Human, Mouse, Rat                   |
| Host:        | Rabbit                              |
| Clonality:   | Polyclonal                          |
| Conjugate:   | This AGR2 antibody is un-conjugated |
| Application: | Immunofluorescence (IF)             |

#### **Product Details**

| Immunogen:       | Recombinant fusion protein of human AGR2 (NP_006399.1). |
|------------------|---|
| Isotype:         | IgG   |
| Characteristics: | Polyclonal Antibody                                     |
| Purification:    | Affinity purification                                   |

### **Target Details**

| Target:           | AGR2   |
|-------------------|--|
| Alternative Name: | AGR2 (AGR2 Products)   |
| Background:       | This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, and a C-terminal ER-retention sequence. This protein plays a role in cell migration, |

#### **Target Details**

cellular transformation and metastasis and is as a p53 inhibitor. As an ER-localized molecular chaperone, it plays a role in the folding, trafficking, and assembly of cysteine-rich transmembrane receptors and the cysteine-rich intestinal gylcoprotein mucin. This gene has been implicated in inflammatory bowel disease and cancer progression.

Gene ID: 10551

UniProt: 095994

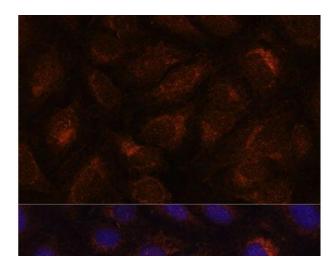
#### **Application Details**

Application Notes: IF 1:50-1:200

Restrictions: For Research Use only

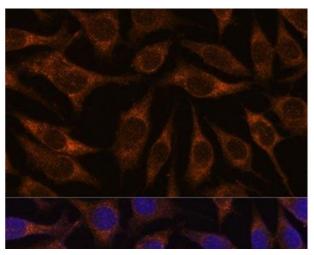
#### Handling

| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | 1 mg/mL  |
| Buffer:            | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |



#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using AGR2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### Immunofluorescence

**Image 2.** Immunofluorescence analysis of L929 cells using AGR2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.