antibodies - online.com







anti-Separase antibody (pSer801)

Images



| () | 11 | \sim | rv | | ۱ ۸ |
|-----|-------|--------|------|---|-----|
| | 1 \ / | ┙ | I \/ | ╙ | 1/1 |
| | | | | | |

| Quantity: | 100 μL |
|----------------------|-------------------------------------------------------------------------------------------------------|
| Target: | Separase (ESPL1) |
| Binding Specificity: | pSer801 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Separase antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunochromatography (IC) |

Product Details

| Immunogen: | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Separase. |
|------------------|------------------------------------------------------------------------------------------------------|
| Specificity: | Recognizes endogenous levels of Separase (pS801) protein. |
| Characteristics: | Rabbit polyclonal antibody to Separase (pS801) |
| Purification: | The antibody was purified by immunogen affinity chromatography. |

Target Details

| Target: | Separase (ESPL1) |
|-------------------|---------------------------|
| Alternative Name: | Separase (ESPL1 Products) |

Target Details

| Background: | ESP1, KIAA0165, Separin, Caspase-like protein ESPL1, Extra spindle poles-like 1 protein, Separase | |
|-------------|---------------------------------------------------------------------------------------------------|--|
| Gene ID: | 9700 | |
| UniProt: | Q14674 | |

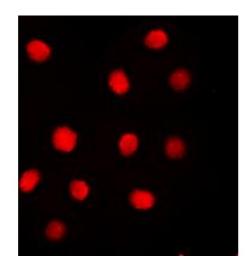
Application Details

| Application Notes: | WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500) |
|--------------------|----------------------------------------------------------------|
| Restrictions: | For Research Use only |

Handling

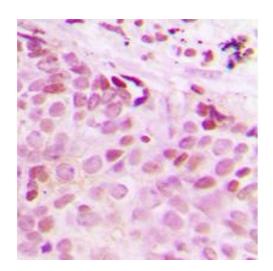
| Format: | Liquid |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Buffer: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. |
| Preservative: | 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: | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |
| Expiry Date: | 12 months |

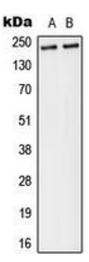
Images



Immunofluorescence

Image 1. Immunofluorescent analysis of Separase (pS801) staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary





antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Immunohistochemistry

Image 2. Immunohistochemical analysis of Separase (pS801) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pretreated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Western Blotting

Image 3. Western blot analysis of Separase (pS801) expression in MDA-MB-231 (A), A431 (B) whole cell lysates.