

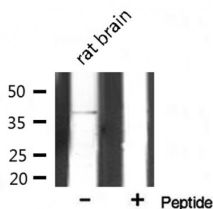
## AOS1 Ab

Cat.#: AF0266  
Size: 100ul,200ul

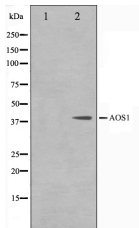
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 38kDa  
Clonality: Polyclonal

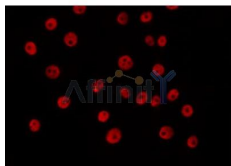
|                               |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application:                  | WB: 1:500~1:3000 IF/ICC: 1:100~1:500                                                                                                                                                                                                                                                                                                            |
| Reactivity:                   | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                 |
| Purification:                 | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).                                                                                                                                                                                                                       |
| Specificity:                  | AOS1 Ab detects endogenous levels of total AOS1.                                                                                                                                                                                                                                                                                                |
| Immunogen:                    | A synthesized peptide derived from human AOS1.                                                                                                                                                                                                                                                                                                  |
| Uniprot:                      | Q9UBE0                                                                                                                                                                                                                                                                                                                                          |
| Description:                  | UBLE1A The dimeric enzyme acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins and formation of a thioester with a conserved cysteine residue on SAE2. Belongs to the ubiquitin-activating E1 family. Heterodimer of SAE1 and SAE2. The complex binds SUMO proteins via SAE2. |
| Subcellular Location:         | Nucleus.                                                                                                                                                                                                                                                                                                                                        |
| Tissue Specificity:           | Expression level increases during S phase and drops in G2 phase (at protein level).                                                                                                                                                                                                                                                             |
| Similarity:                   | Belongs to the ubiquitin-activating E1 family.                                                                                                                                                                                                                                                                                                  |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.                                                                                                                                                                                    |



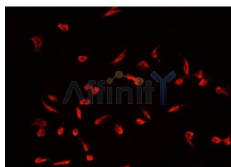
Western blot analysis on rat brain lysate using AOS1 Ab



Western blot analysis on 293 cell lysate using AOS1 Ab, The lane on the left is treated with the antigen-specific peptide.



AF0266 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF0266 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab (Cat.# S0006), diluted at 1/600, was used as secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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