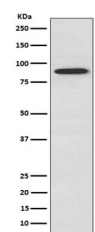


## Product Datasheet

### SAE2 / UBA2 Monoclonal Antibody (orb548252)

|                            |                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | SAE2 / UBA2 Monoclonal Antibody                                                                                                                                                                                                                                                                                         |
| <b>Species/Host</b>        | Rabbit                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                       |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                                                                                                                                                            |
| <b>Tested Applications</b> | ICC, IF, IHC, IP, WB                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>           | A synthesized peptide derived from human SAE2 / UBA2 The heterodimer acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2. |
| <b>Form/Appearance</b>     | Liquid                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>       | Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.                                                                                                                                                                                                                            |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                 |
| <b>Note</b>                | For research use only                                                                                                                                                                                                                                                                                                   |
| <b>Application notes</b>   | WB 1:500-1:2000IHC 1:50-1:200ICC/IF 1:50-1:200IP 1:50                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>             | Rabbit IgG                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                                                                                                                                                              |
| <b>Uniprot ID</b>          | <b>Q9UBT2</b>                                                                                                                                                                                                                                                                                                           |
| <b>Expiration Date</b>     | 12 months from date of receipt.                                                                                                                                                                                                                                                                                         |



Western blot analysis of SAE2/UBA2 expression...