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# Product datasheet for AP01526PU-M

## ASK1 (MAP3K5) pSer83 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IHC, WB |
| **Recommended Dilution:** | ELISA: 1:20000~1:40000.<br>WB: 1:500~1:1000.<br>IHC: 1:50~1:200. |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Specificity:** | p-ASK1 (pSer83) antibody detects endogenous levels of p-ASK1 protein. |
| **Formulation:** | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.<br>State: Aff - Purified<br>State: Liquid purified Ig |
| **Concentration:** | 1,0 mg/ml |
| **Purification:** | Affinity chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | mitogen-activated protein kinase kinase kinase 5 |
| **Database Link:** | Entrez Gene 4217 Human<br>Q99683 |

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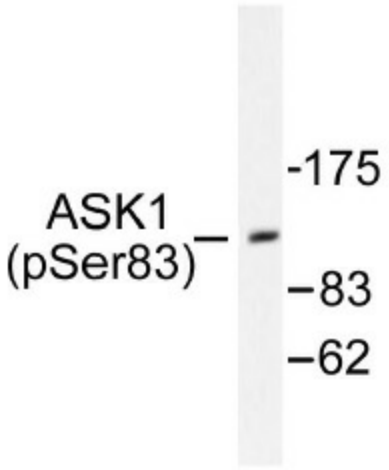
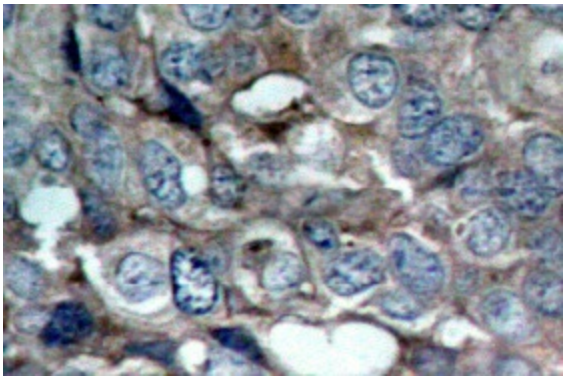
**Background:** Mitogen-activated protein (MAP) kinase cascades are activated by various extracellular stimuli including growth factors. The MEK kinases (also called MAP kinase kinase kinases) phosphorylate and activate the MAP kinases including ERK, JNK and p38. The MEK kinases characterized to date include Raf-1, Raf-B, MOS, MEK kinase-1, MEK kinase-2, MEK kinase-3, MEK kinase-4 and ASK 1 (also designated MEK kinase-5). MEK kinase-1 has been shown to phosphorylate MEK-1 via a Raf-independent pathway. Evidence suggests that MEK-3 is preferentially activated by MEK kinase-3 and that MEK-4 is activated by both MEK kinase-2 and MEK kinase-3. MEK kinase-4 has been shown to specifically activate the JNK pathway. ASK 1 activates both MEK-4 and MEK-3/MEK-6 pathways. ASK 1 Serine 83 is phosphorylated by Akt.

**Synonyms:** MAPK/ERK kinase kinase 5, MAPKKK5, MAP3K5

## Product images:




Western blot (WB) analysis of p-ASK1 (pSer83) antibody in extracts from MDA-MB-435 cells treated with TNF-a.



Immunohistochemistry (IHC) analyzes of p-ASK1 (pSer83) Antibody in paraffin-embedded human breast carcinoma tissue