



## Anti-DKK1 Antibody

**Alternative Names:** SK, DKK-1

**Catalogue Number:** AB19-10101-100ug

**Size:** 100 µg

### Background Information

Dickkopf WNT signaling pathway inhibitor 1 (DKK1) is a secreted glycoprotein that inhibits Wnt/Beta-signaling by interaction with low-density lipoprotein receptor-related protein 5/6 (LRP5/6). It is involved in embryonic development and may be important in bone formation in adults. DKK1 has two cysteine rich regions that mediate protein-protein interactions.

Wnt signaling has a vital role in both the development of the nervous system and higher functions including synaptic plasticity and memory. DKK1 may have a role in the development of Alzheimer's disease (AD) due to reduced Wnt/Beta-signaling, which leads to synapse vulnerability through reduced regulation of the Wnt signaling pathway.

Elevated DKK1 has also been observed in numerous human cancers with elevated levels in bone marrow plasma and peripheral blood associated with the presence of osteolytic bone lesions in patients with multiple myeloma.

### Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse
<b>Immunogen:</b>	Full length recombinant human DKK1		
<b>Format:</b>	100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB WB 1:200-1000.		

### Additional Information

<b>Subcellular location:</b>	Secreted, extracellular space	<b>MW:</b>	29kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	22943	<b>Uniprot ID:</b>	O94907