

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human SDNSF/MCFD2 in Western blots. In Western blots, approximately 20% cross-reactivity with recombinant mouse SDNSF is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human SDNSF/MCFD2 Glu27-Gln146 Accession # Q8NI22
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human SDNSF/MCFD2

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

SDNSF, also known as MCFD2 (multiple coagulation factor deficiency 2), was described as a secreted molecule from adult hippocampal neural stem/progenitor cells (ANSC) that functions as an autocrine/paracrine factor to maintain neurogenesis in the central nervous system. It is also a component of the MCF2-LMAN1 complex that functions as a specific cargo receptor for the ER to golgi transport of proteins. Mutations in MCFD2 causes factor 5 and factor 8 combined deficiency.