

**DESCRIPTION**

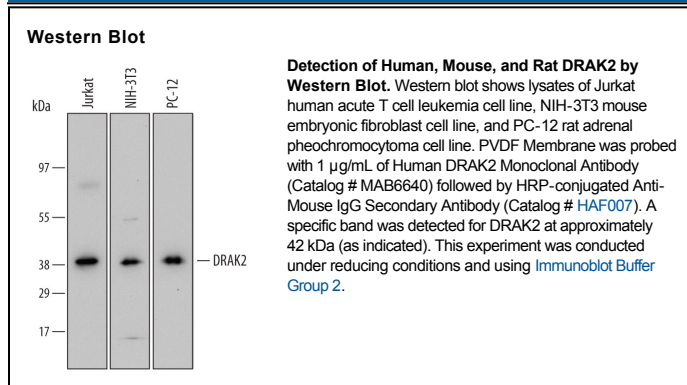
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human, mouse, and rat DRAK2 in Western blots. In Western blots, less than 10% cross-reactivity with recombinant human (rh) DRAK1, rhDAPK1, rhDAPK2, or rhDAPK3 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 685228
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human DRAK2 Ala87-Glu285 (predicted) Accession # O94768
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

**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>	1 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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**

DRAK2 (death-associated protein related kinase-2), also called STK17B (Ser/Thr kinase 17B) is a 45 kDa member of the DAPK (death-associated protein kinase) family. It is expressed mainly in lymphoid organs by mature T cells and B cells. It is autophosphorylated on Ser12 after TCR stimulation and negatively regulates TCR signaling. Ultraviolet light causes phosphorylation on Ser350 and translocation to the nucleus to stimulate apoptosis. Within the region used as an immunogen, human DRAK2 shares 95% amino acid (aa) identity with mouse and rat DRAK2 while mouse and rat DRAK2 share 99.5% aa identity.