

## DESCRIPTION

<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human, mouse and rat ERK1/ERK2.
<b>Source</b>	Polyclonal Rabbit IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human ERK1/ERK2 XM_055766 and NM_138957, respectively
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

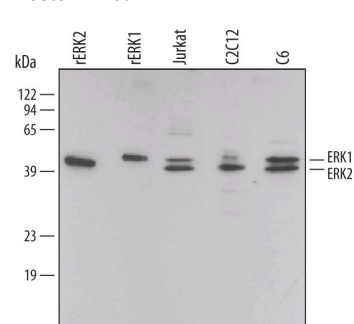
## APPLICATIONS

**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>	0.2 µg/mL	See Below

## DATA

### Western Blot



### Detection of Human/Mouse/Rat ERK1/ERK2 by Western Blot.

Western blot shows lysates of Jurkat human acute T cell leukemia cell line, C2C12 mouse myoblast cell line, and C6 rat glioma cell line. PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat ERK1/ERK2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1576) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). For additional reference, Recombinant Human Active ERK1 (Catalog # 1879-KS) and Recombinant Human Active ERK2 (Catalog # 1230-KS) (2 ng/lane) were included. A specific band for ERK1/ERK2 was detected at approximately 44 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

## 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 from date of receipt, 2 to 8 °C, reconstituted.</li> <li>● 6 months from date of receipt, -20 to -70 °C, reconstituted.</li> </ul>