

DESCRIPTION

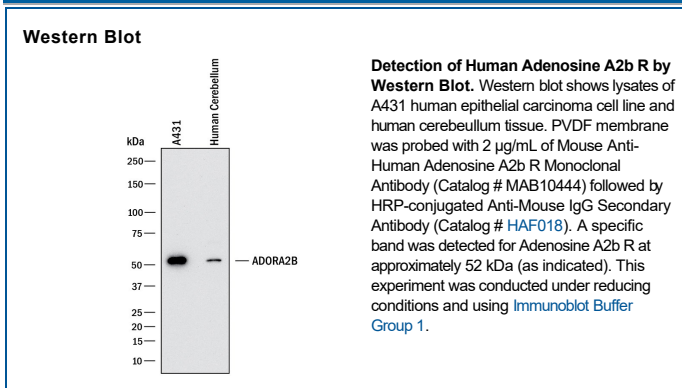
Species Reactivity	Human
Specificity	Detects human Adenosine A2b R in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 1022311
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human Adenosine A2b R
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ADORA2B (Adenosine B2a Receptor, Adora-B2) is a widely expressed seven transmembrane G protein-coupled receptor (GPCR) activated by adenosine. Studies show that adenosine is crucial for ischemic preconditioning (IP) via its receptors ADORA1, ADORA2a and ADORA2b. All of these receptors are expressed in the myocardium and have been implicated in the role of cardioprotection during ischemia. Human and mouse Adora2B sequences are 88% identical over the full protein, but only 77% identical on the extra-cellular domains, including N-term tail and three loops.