

DESCRIPTION

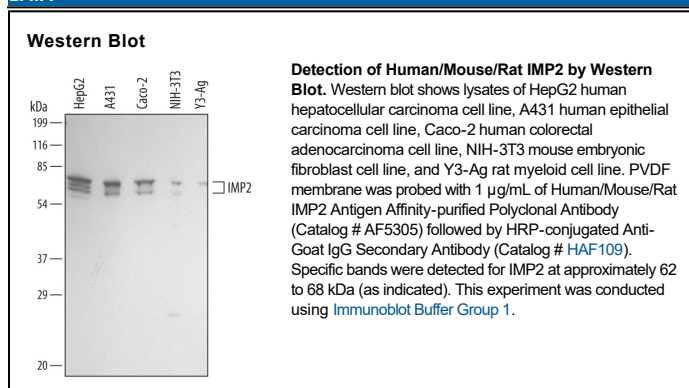
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat IMP2 isoforms in Western blots. Reactivity with other IMP family members is unknown.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IMP2 Met1-Thr220 Accession # Q9Y6M1
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	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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

IMP2 (IGF-II mRNA-binding protein 2; also VICKZ family member 2) is a 62 kDa member of the RRM IMP/VICKZ family of proteins. It is expressed in oocytes, spermatogonia, Leydig cells and follicular granulosa cells. IMP2 binds to AUF1, a binding protein for the AU-rich motifs of mRNA, and facilitates the degradation of cytokine and protooncogene mRNAs. Human IMP2 is 556 amino acids (aa) in length. It contains two RNA recognition regions (aa 3-76 and 82-157), and four KH domains (aa 193-532) that mediate RNA binding. There are multiple splice variants. One shows an insertion of 43 aa after Asn357, a second shows a 17 aa substitution for the N-terminal 80 aa, a third shows a combination of the prior two, and a fourth shows a 15 aa substitution for aa 414-556. Over aa 1-220, human IMP2 is 89% aa identical to mouse IMP2.