

DESCRIPTION

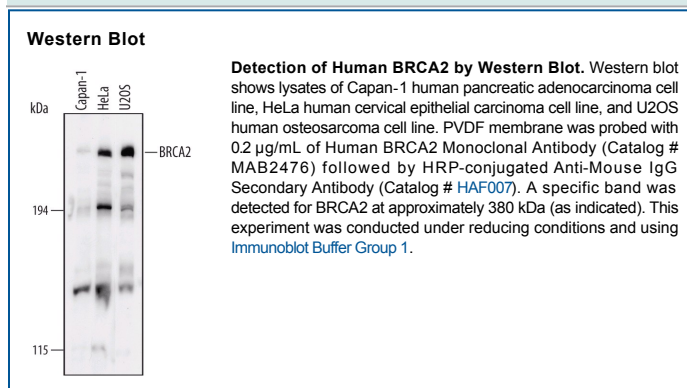
Species Reactivity	Human
Specificity	Detects endogenous human BRCA2.
Source	Monoclonal Mouse IgG ₁ Clone # 234403
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human BRCA2 Met1-Thr200 Accession # P51587
Formulation	Lyophilized from 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.

	Recommended Concentration	Sample
Western Blot	0.2 μg/mL	See Below
Immunohistochemistry	8-25 μg/mL	Immersion fixed paraffin-embedded sections of human breast cancer tissue

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

BACKGROUND

BRCA2 is a nuclear protein that acts as a tumor suppressor. Germline mutation of BRCA2 accounts for many cases of familial breast and ovarian cancer. At the cellular level, BRCA2 is involved in homologous recombination (HR), a form of double-strand break repair. BRCA2 interacts with the Rad51 recombinase, another protein critical for HR, to preserve chromosomal integrity.