

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BRCA1 C-Terminus in direct ELISAs.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human BRCA1 C-Terminus Arg1634-Tyr1863 Accession # P38398
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 as a 0.2 µm filtered solution in PBS.

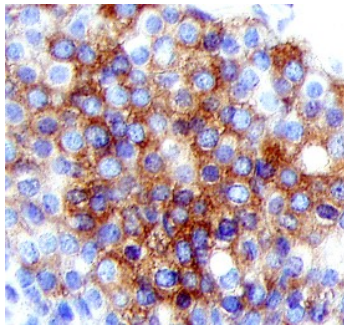
APPLICATIONS

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
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



BRCA1 in Human Breast Cancer Tissue. BRCA1 was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using Sheep Anti-Human BRCA1 C-Terminus Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6955) at 5 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm and plasma membranes of epithelial cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
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

The BRCA1 (BRest CAncer gene 1) tumor suppressor protein has many reported functions. In addition to mediating signal transduction in DNA damage and repair responses, BRCA1 regulates transcriptional activity and assists in the preservation of chromosomal stability. BRCA1 is one of the first proteins recruited to sites of DNA double-strand breaks, and serves as part of a scaffold for assembling other DNA damage response or repair factors.