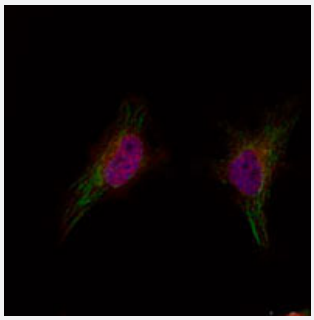
BRCA1 polyclonal antibody

Catalog # PAB26707 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using BRCA1 polyclonal antibody (Cat # PAB26707 red).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BRCA1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S1524 of human BRCA1.
Sequence	Y-P-Sp-Q-E
Host	Rabbit
Theoretical MW (kDa)	220
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Immunofluorescence (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using BRCA1 polyclonal antibody (Cat # PAB26707 red).

Gene Info — BRCA1

Entrez GeneID	672
Protein Accession#	P38398
Gene Name	BRCA1
Gene Alias	BRCAI, BRCC1, IRIS, PSCP, RNF53
Gene Description	breast cancer 1, early onset
Omim ID	113705
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, an d it also acts as a tumor suppressor. The encoded protein combines with other tumor suppressor s, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex kn own as the BRCA1-associated genome surveillance complex (BASC). This gene product associ ates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deac etylase complexes. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inher ited breast cancers and more than 80% of inherited breast and ovarian cancers. Alternative splici ng plays a role in modulating the subcellular localization and physiological function of this gene. M any alternatively spliced transcript variants, some of which are disease-associated mutations, hav e been described for this gene, but the full-length natures of only some of these variants has been described. A related pseudogene, which is also located on chromosome 17, has been identified. [provided by RefSeq
Other Designations	BRCA1/BRCA2-containing complex, subunit 1|breast and ovarian cancer susceptibility protein 1

Pathway

- Ubiquitin mediated proteolysis

Disease

- Abdominal Neoplasms
- Abortion
- Adenocarcinoma
- Adenoma
- Anticipation
- Anxiety Disorders
- Ataxia telangiectasia
- Awareness
- Bloom Syndrome
- Body Image
- Body Weight
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Carcinoma in Situ
- Cell Transformation
- Choice Behavior
- Chromosome Aberrations
- Chromosome Breakage
- Chromosome Deletion
- Cocarcinogenesis

- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Concept Formation
- Counseling
- Cystadenocarcinoma
- Decision Making
- Discrimination (Psychology)
- Disease Progression
- DNA Damage
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fallopian Tube Neoplasms
- Fanconi Anemia
- Fatigue
- Functional Laterality
- Genetic Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hamartoma Syndrome
- Hematologic Diseases
- Hodgkin Disease
- Hyperplasia
- Hyperthyroidism
- Infertility

- Kidney Failure
- Knowledge of Results (Psychology)
- Leukemia
- Li-Fraumeni Syndrome
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningomyelocele
- Menopause
- Microsatellite Instability
- Multiple Sclerosis
- Narcolepsy
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplastic Syndromes
- Obesity
- Occupational Diseases
- Ovarian cancer
- Ovarian Diseases
- Ovarian Neoplasms
- Pancreatic cancer

- Pancreatic Neoplasms
- Papillomavirus Infections
- Perception
- Peritoneal Neoplasms
- Personal Autonomy
- Personality Inventory
- Peutz-Jeghers Syndrome
- Precancerous Conditions
- Pregnancy Complications
- Prostate cancer
- Prostatic Neoplasms
- Psychological Tests
- Psychology
- Psychometrics
- Pulmonary Disease
- Radiation Injuries
- Recurrence
- Salivary Gland Neoplasms
- Skin Neoplasms
- Sleep
- Sleep Disorders
- Spinal Dysraphism
- Spinocerebellar ataxia
- Stomach Neoplasms
- Stress
- Tay-Sachs disease

- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome