

Anti-BRCA1 Antibody [D2-C6]

EM1710-25



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	IHC-P
Molecular Wt:	208 kDa
Clone number:	D2-C6

Description: In 1990, a breast cancer susceptibility gene, designated BRCA1, was localized to chromosome 17q. Mutations within this gene are believed to account for approximately 45% of families with high incidence of breast cancer and at least 80% of families with increased incidence of both early-onset breast cancer and ovarian cancer. A second breast cancer susceptibility gene, BRCA2, located on chromosome 13q12-13, also confers a high incidence of breast cancer but, unlike BRCA1, does not confer a substantially elevated risk of ovarian cancer. The BRCA1 gene is expressed in numerous tissues, including breast and ovary, and encodes a predicted protein of 1863 amino acids. This protein contains a zinc finger domain in its amino terminal region, but is otherwise unrelated to any previously described proteins. Like many other genes involved in familial cancer, BRCA1 appears to encode a tumor suppressor, a protein that acts as a negative regulator of tumor growth.

Immunogen: Recombinant protein

Positive control: Human BRCA1 recombinant protein, BRCA1-hlgGfc transfected HEK293 cell lysate, human esophagus cancer tissue, human esophagus tissue.

Subcellular location: Cytoplasm. Nucleus. Plasma Membrane.

Database links: SwissProt: P38398 Human

Recommended Dilutions:

IHC-P 1:100-1:500

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4°C; -20°C for long term storage.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Images

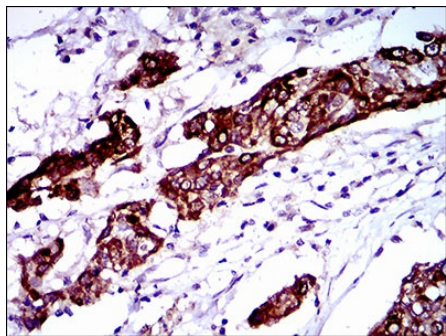


Fig1: Immunohistochemical analysis of paraffin-embedded human esophagus cancer tissue using anti-BRCA1 antibody. Counter stained with hematoxylin.

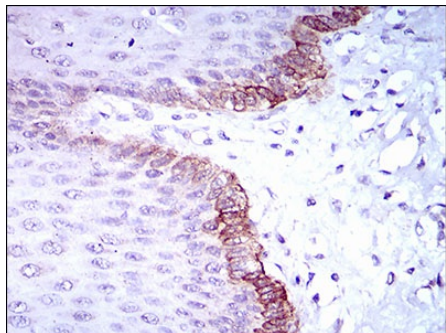


Fig2: Immunohistochemical analysis of paraffin-embedded human esophagus tissue using anti-BRCA1 antibody. Counter stained with hematoxylin.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Onyango DO et al. Tetratricopeptide repeat factor XAB2 mediates the end resection step of homologous recombination. *Nucleic Acids Res* 44:5702-16 (2016).
2. Wilson FR et al. Cdk-dependent phosphorylation regulates TRF1 recruitment to PML bodies and promotes C-circle production in ALT cells. *J Cell Sci* 129:2559-72 (2016).

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