# antibodies -online.com





## anti-PALB2 antibody (C-Term)



Alternative Name:



Publication



Go to Product page

Overview	
Quantity:	0.1 mg
Target:	PALB2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PALB2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	PALB2 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of
	human PALB2.
Isotype:	IgG
Specificity:	This antibody detects PALB2.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography
Target Details	
Target:	PALB2

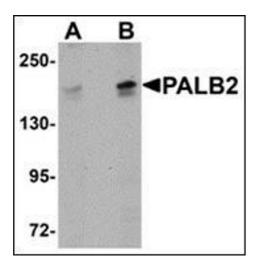
PALB2 (PALB2 Products)

### Target Details

Background:	The breast cancer early onset proteins BRCA1 and BRCA2 are central to the repair of DNA damage by homologous recombination and are strongly associated with inherited breast and
	ovarian cancer. The protein PALB2 is required for the localization of BRCA2 to sites of DNA
	damage and like BRCA1 and 2 is a breast cancer susceptibility gene. PALB2 is thought to
	function through directly binding to BRCA1, which allows the PALB2 protein to organize BRCA2 and the recombinase RAD51 at the site of DNA damage. Analysis of the BRCA1-PALB2-BRCA2-
	RAD51network may allow predictions to be made of the responsiveness of a particular tumor
	to therapeutic treatments. At least four isoforms of PALB2 are known to exist. Synonyms:
	FANCN, Partner and localizer of BRCA2
Gene ID:	79728
UniProt:	Q86YC2
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	ELISA. Western blot: 1 - 2 μg/mL.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.
Publications	
Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor,
	Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha,

Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) (PubMed).

#### **Images**



#### **Western Blotting**

Image 1. Western blot analysis of PALB2 in SK-N-SH cell lysate with this product at (A) 1 and (B) 2  $\mu$ g/ml.