

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human 53BP1 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 1285C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human 53BP1 Ala1614-His1972 Accession # Q12888
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The p53-binding protein 1 (53BP1) localizes to sites of damaged DNA and is phosphorylated by the ATM checkpoint kinase. 53BP1 is required for phosphorylation of other downstream ATM substrates, such as p53 and SMC-1, and therefore aids in nucleating a DNA damage response protein complex. Over aa 1614-1972, human 53BP1 shares 97% aa sequence identity with rat and mouse 53BP1.

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