

Rad18 Polyclonal Antibody
Catalog # AP72142**Specification**

Rad18 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9NS91
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal

Rad18 Polyclonal Antibody - Additional Information**Gene ID** 56852**Other Names**

RAD18; RNF73; E3 ubiquitin-protein ligase RAD18; Postreplication repair protein RAD18; hHR18; hRAD18; RING finger protein 73

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Rad18 Polyclonal Antibody - Protein Information**Name** RAD18**Synonyms** RNF73**Function**

E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap- filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA- associated PCNA on 'Lys-164'. Has ssDNA binding activity.

Cellular Location

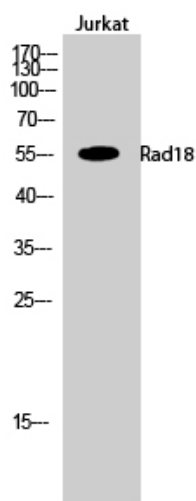
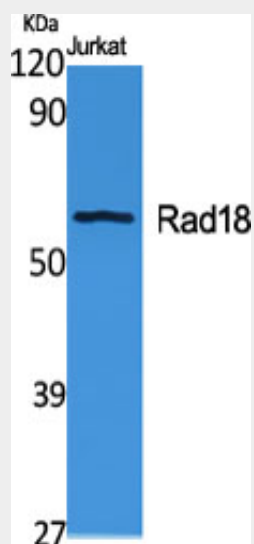
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Associates with chromatin (PubMed:25931565). Colocalizes with SLF1 in the nucleus and to centrosomes (PubMed:15632077). Relocalizes with SLF1 to nuclear foci in response to DNA damage (PubMed:22036607). Accumulates with the SLF1- SLF2 and SMC5-SMC6 complexes at replication-coupled DNA interstrand repair and DNA double-strand breaks (DSBs) sites on chromatin in a ubiquitin-dependent manner (PubMed:25931565)

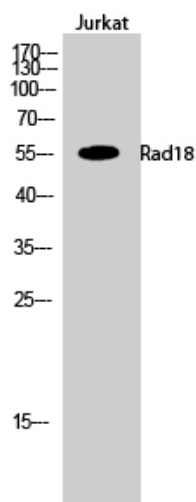
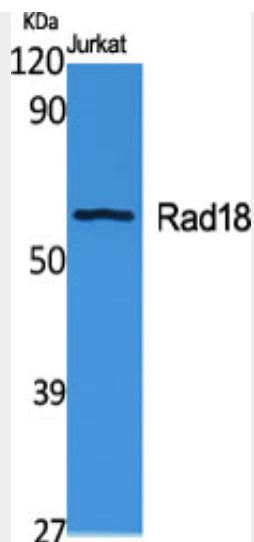
Rad18 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Rad18 Polyclonal Antibody - Images





Rad18 Polyclonal Antibody - Background

E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap- filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono- ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity.