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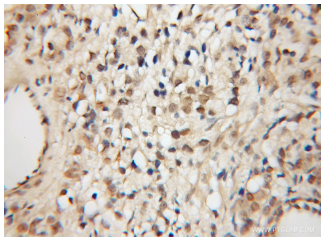
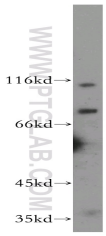
BRIT1 Polyclonal Antibody

Catalog number: 11962-1-AP
Size: 86 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
MCPH1; BRIT1, FLJ12847, MCPH1, MCT, Microcephalin, microcephalin 1



Immunohistochemical of paraffin-embedded human prostate cancer using 11962-1-AP(BRIT1 antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 11962-1-AP(BRIT1 antibody) at dilution of 1:500

Background

Primary microcdphaly refers to the clinical finding of a head circumference less than 3 standard deviations(SD) below the age- and sex-related mean, present at birth. MCPH1, the fisrt gene identified as causative for primary microcephaly, encodes a multifunctional protein that notably is linked to DNA damage checkpoint, DNA repair by homologous recombination and DNA transcription. MCPH1 is associated with premature chromosome condensation in particular. There are two mainly isoforms encoded by MCPH1 gene, isoform1(~100kd) and isoform2(~66kd)

Applications

Tested applications:	**ELISA, WB, IHC**
Species specificity:	**Human, Mouse; other species not tested.**
Caculated BRIT1 MW:	**93 kDa**
Observed BRIT1 MW:	**66 kDa,100 kDa**
Positive WB detected in	**HeLa cells, L02 cells, MDA-MB-453s cells, mouse ovary tissue**
Positive IHC detected in	**Human prostate cancer tissue, human kidney tissue**
Recommended dilution:	**WB: 1:200-1:2000**
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag2567**
GenBank accession number:	**BC030702**
Gene ID (NCBI):	**79648**
Full name:	**Microcephalin 1**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**