

Allgemeine Informationen

Katalog-Nr.: 21857-1-AP	GenBank-Zugangsnummer: BC126219	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 350 µg/ml von Nanodrop und 167 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 6294	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
Wirt: Kaninchen	Vollständiger Name: scaffold attachment factor B	
Isotyp: IgG	Berechnete Masse: 917 aa, 103 kDa	
Immunogen Katalognummer: AG16451	Beobachtete Masse: 150 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen: WB : MCF-7-Zellen, A431-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen IHC : Maushodengewebe, humanes Hodengewebe, humanes Mammakarzinomgewebe IF : A431-Zellen,
In Publikationen genannte Anwendungen: IF	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to pre-mRNA processing and transport. hnRNPs also bind heterogeneous nuclear RNA (hnRNA), the transcripts produced by RNA polymerase II. SAFB (scaffold attachment factor B) is a nuclear matrix-associated protein that binds to matrix- or scaffold-associating regions (MARs or SARs) on DNA and interacts with RNA polymerase II and serine-/arginine-rich RNA processing factors (SR proteins). SAFB, also designated HAP (hnRNP A1 associated protein) and HET (HSP 27-ERE-TATA-binding protein) is a proven hnRNP protein that has a speckled distribution in the nucleus and, in response to stress agents such as heat shock, is recruited to a few, large nuclear granules, called perichromatin granules. SAFB also binds to the estrogen receptor (ER) and is expressed in several breast cancer cell lines at varying levels. Subsequently, SAFB may play a role in breast cancer by mediating cellular proliferation and division. This antibody specifically reacts with the isoform 1 of human SAFB protein. SF3A1, also known as SF3a120, is a 793 amino acid protein, which is a subunit of the splicing factor SF3A required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. SF3A1 also be involved in the assembly of the 'E' complex. The calculated molecular weight of SAFB is 103 kDa, but the modified SAFB is about 130-175 kDa. (PMID: 28469965, PMID: 26273616)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Mahlon Collins	32586379	Acta Neuropathol Commun	IF
Haiyan An	34915152	Neurobiol Dis	IF

Lagerung

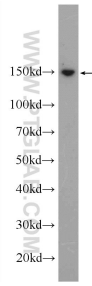
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

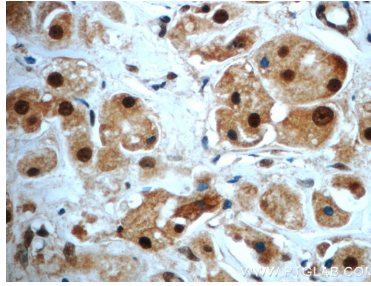
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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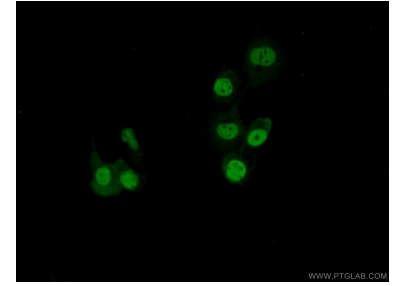
Ausgewählte Validierungsdaten



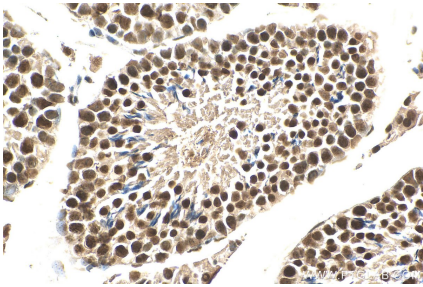
MCF-7 cells were subjected to SDS PAGE followed by western blot with 21857-1-AP (SAFB Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer slide using 21857-1-AP (SAFB Antibody) at dilution of 1:50.



Immunofluorescent analysis of A431 cells using 21857-1-AP (SAFB antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 21857-1-AP (SAFB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).