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36-2125: Anti-ZNF690 / ZSCAN29 Monoclonal Antibody(Clone: ZSCAN29/2610)

Clonality :	Monoclonal
Clone Name :	ZSCAN29/2610
Application :	ELISA,IHC
Reactivity :	Human
Gene :	ZSCAN29
Gene ID :	146050
Uniprot ID :	Q8IWY8
Alternative Name :	FLJ35867; KOX31 like zinc finger protein; MGC129894; MGC129895; zinc finger and SCAN domain-containing 29 (ZSCAN29); Zinc finger protein 690 (ZNF690)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human ZSCAN29 protein

Description

Zinc finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc finger proteins contain a Kruppel-type DNA binding domain and a KRAB domain, which is thoÂµght to interact with KAP1, thereby recruiting histone modifying proteins. Zinc finger protein 690 (ZNF690), also known as ZSCAN29, is a 851 amino acid member of the Kruppel C2H2- type zinc finger protein family. Localized to the nucleus, ZNF690 contains six C2H2-type zinc fingers and one KRAB domain throÂµgh which it is thoÂµght to be involved in DNA-binding and transcriptional regulation. Four isoforms of ZNF690 exist as a result of alternative splicing events.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

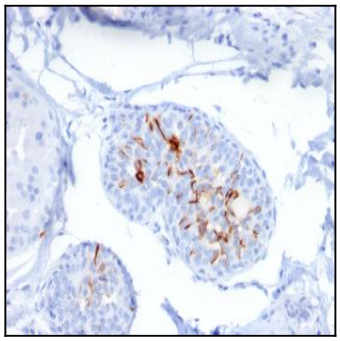

Fig. 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610).

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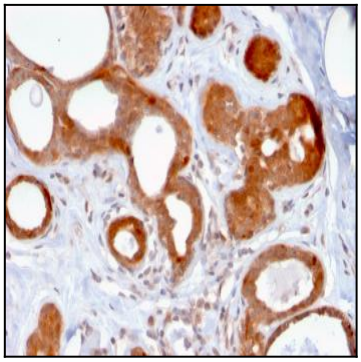

Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610).

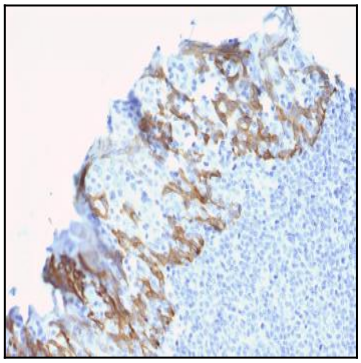

Fig. 3: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610).

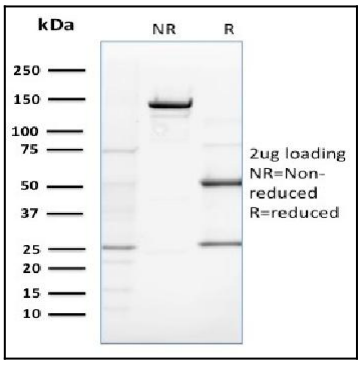

Fig. 4: SDS-PAGE Analysis Purified ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610). Confirmation of Purity and Integrity of Antibody.

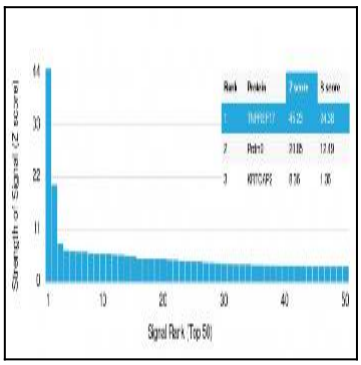

Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using CD269 Mouse Monoclonal Antibody (ZSCAN29/2610) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.