

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ZSCAN29/2610
<b>Application :</b>	ELISA,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ZSCAN29
<b>Gene ID :</b>	146050
<b>Uniprot ID :</b>	Q8IWIY8
<b>Alternative Name :</b>	FLJ35867; KOX31 like zinc finger protein; MGC129894; MGC129895; zinc finger and SCAN domain-containing 29 (ZSCAN29); Zinc finger protein 690 (ZNF690)
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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 thought 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 through which it is thought to be involved in DNA-binding and transcriptional regulation. Four isoforms of ZNF690 exist as a result of alternative splicing events.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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);

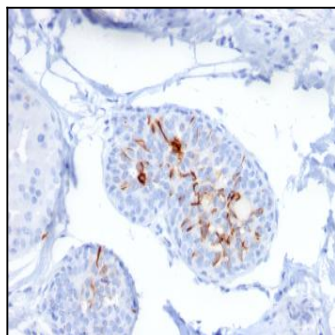


Fig. 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610).

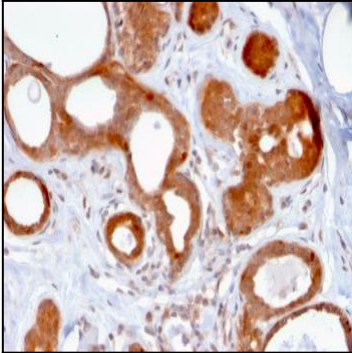


Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610).

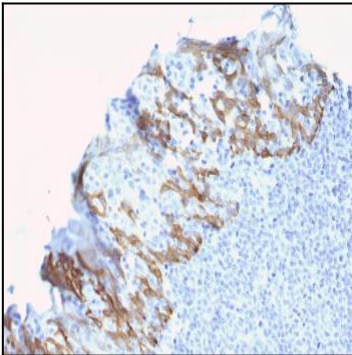


Fig. 3: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610).

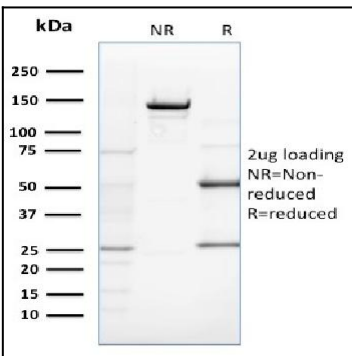


Fig. 4: SDS-PAGE Analysis Purified ZNF690 / ZSCAN29 Mouse Monoclonal Antibody (ZSCAN29/2610). Confirmation of Purity and Integrity of Antibody.

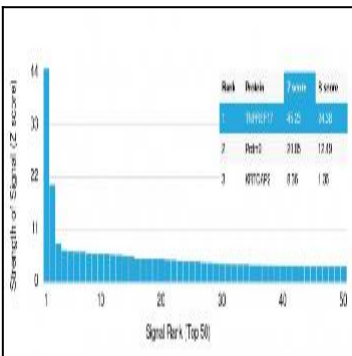


Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using CD269 Mouse Monoclonal Antibody (ZSCAN29/2610) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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.