Customer service: service@abbkine.com
Technical support: support@abbkine.com
Website: https://www.abbkine.com

CAGE-1 Polyclonal Antibody

Cat #: ABP50829 Size: 30μl /100μl /200μl

Product Information

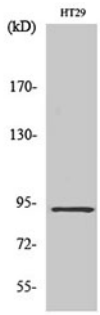
	Product Name: CAGE-1 Polyclonal Antibody		
	Applications: WB, IHC-P, ELISA		**Isotype:** Rabbit IgG
	Reactivity: Human		
REF	**Catalog Number:** ABP50829	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: CAGE (cancer-associated gene protein), also known as DEAD box protien 53 (DDX53) or DEAD box protein CAGE, belongs to the DEAD box helicase family. It contains one helicase ATP-binding domain, one helicase C-terminal domain and one KH domain. CAGE localizes to the nucleus and, in normal adult tissues, is exclusively expressed in testis but it has also been found in a wide variety of cancer tissues and cell lines. Overexpression of CAGE leads to the activation of FAK, ERK and p38 MAPK along with a reduction in reactive oxygen species (ROS). It is also responsible for inducing catalase activity and therefore enhancing cell motility. This suggests that CAGE may enhance the migration of cancer cells. In addition, hypomethylation of the CAGE promoter region is associated with tumor progression and may serve as a valuable marker in cancer diagnosis.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:40000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	Fig. Western Blot analysis of various cells using CAGE-1 Polyclonal Antibody diluted at 1:2000.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.