



RESEARCH ARTICLE.....

# Histological and histochemical studies of epidermis in crossbreed cattle

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**ABSTRACT.....** The skin of crossbreed cow (Deoni x HF, F<sub>1</sub> generation) histologically showed three layers as epidermis, dermis and hypodermis. The epidermis consisted of four types of layers from outer to inner side as *Stratum carneum*, *Stratum granulosum*, *Stratum spinosum* and *Stratum basale*. The keratinocytes were found in the *Stratum carneum*, melanocytes and langerhans cells were found in *Stratum spinosum* and *Stratum basale*. The markels cells were round in basal layer of the epidermis in heifers. The papillomatus epidermis was the down growth of the epidermis between the dermal papillae.

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